

Using the Ordered List HTML Attributes

With Lon Hosford

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This is a Visual Step by Step Workbook and voice transcript for accompanying video for this portion of the course.

Introduction

How to Change a Light Bulb

1. Get a replacement with recommended wattage.
2. Disconnect the power supply. Turn off at the wall, so cl
3. Wait until bulb is cool to touch
4. Wear safety gloves. Bulbs can break and some are toxi
5. Unscrew the old bulb.
6. Screw in the replacement bulb.
7. Connect the power supp
8. Dispose old bulb safely
 - Follow any manu
 - Obey local laws.
 - Keep out of reach

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List breaking cont

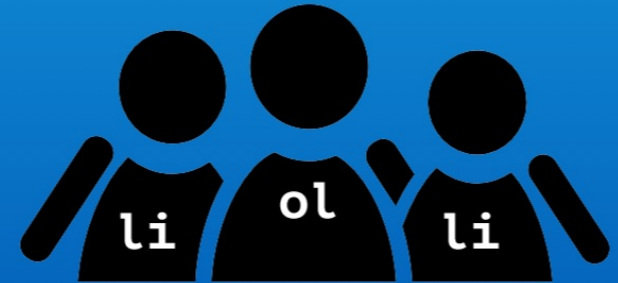
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List breaking content such as advertisi

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For this tutorial we will take ordered lists a bit further by exploring options for numbering the list items.

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We will look at applying different numbering types such as Roman Numerals.

Introduction

How to Change a Light Bulb

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4. Wear safety gloves. Bulbs can break and some are toxic.
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- E. Unscrew the old bulb.

List breaking content

- A. Screw in the replacement bulb.
- B. Connect the power supply.
- C. Dispose old bulb safely.
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How to Change a Light Bulb

- A. Get a replacement with recommended wattage.
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List breaking content such as advertisement

- F. Screw in the replacement bulb.
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And we will learn how to handle the starting number problem that results from breaking a numbered list.

Introduction

- * Understand the type attribute
- * Understand the start attribute
- * View and test with web browser

```
<ol type="A">  
  <li></li>  
  <li></li>  
  <li></li>  
</ol>
```

How to Change a Light Bulb

- A. Get a replacement with recommended wattage.
- B. Disconnect the power supply. Turn off at the wall, sock
- C. Wait until bulb is cool to touch
- D. Wear safety gloves. Bulbs can break and some are toxic
- E. Unscrew the old bulb.
- F. Screw in the replacement bulb.
- G. Connect the power supply.
- H. Dispose old bulb safely.
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First we will use the type attribute to handle various numbering formats. We will learn why this is used over the CSS list-style-type property.

Introduction

- * Understand the type attribute
- * Understand the start attribute
- * View and test with web browser

```
<ol type="A" start="6">  
  <li></li>  
  <li></li>  
  <li></li>  
</ol>
```

How to Change a Light Bulb

- A. Get a replacement with recommended wattage.
- B. Disconnect the power supply. Turn off at the wall, sock
- C. Wait until bulb is cool to touch
- D. Wear safety gloves. Bulbs can break and some are toxic
- E. Unscrew the old bulb.

List breaking content such as advertising

- F. Screw in the replacement bulb.
- G. Connect the power supply.
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Then apply the start attribute for breaking numbered lists throughout page content.

Introduction

How to Change a Light Bulb

- I. Get a replacement with recommended wattage.
- II. Disconnect the power supply. Turn off at the wall, socket or lamp.
- III. Wait until bulb is cool to touch
- IV. Wear safety gloves. Bulbs can break and some are toxic if they do break.
- V. Unscrew the old bulb.
- VI. Screw in the replacement bulb.
- VII. Connect the power supply.
- VIII. Dispose old bulb safely.
 - Follow any manufacture recommendations.
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ol 1264px × 198px

Q Elements Network Sources Timeline Profiles Resources Audits Console

```
<!DOCTYPE html>
<!-- How to Change a Light Bulb | Lon Hosford | www.lonhosford.com -->
<html>
<head>...</head>
<body>
<h1>How to Change a Light Bulb</h1>
<ol type="I">
<li>Get a replacement with recommended wattage.
</li>
<li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
<li>Wait until bulb is cool to touch</li>
<li>Wear safety gloves. Bulbs can break and some are toxic if they do break.</li>
<li>Unscrew the old bulb.</li>
<li>Screw in the replacement bulb.</li>
<li>Connect the power supply.</li>
</ol>
</body>
</html>
```

html body ol

* Understand the type attribute

* Understand the start attribute

* View and test with web browser

- I. Get a replacement with recommended wattage.
- II. Disconnect the power supply. Turn off at the wall, socket or lamp.
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list-style-type:decimal

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<li>Wear safety gloves. Bulbs can break and some are toxic if they do break.</li>
<li>Unscrew the old bulb.</li>
<li>Screw in the replacement bulb.</li>
<li>Connect the power supply.</li>
</ol>
</body>
</html>
```

list-style-type:decimal

```
Style Computed Event Listeners DOM Breakpo
element style {
}
ol[Attributes Style] {
list-style-type: upper-roman;
}
ol {
display: block;
list-style-type: decimal;
-webkit-margin-before: 1em;
-webkit-margin-after: 1em;
-webkit-margin-start: 0px;
-webkit-margin-end: 0px;
-webkit-padding-start: 40px;
}
```


And we will explore these in the web browser and web tools.

Introduction

Top 10 Dog Breeds 2013

10. Dachshund
9. Rottweiler
8. Poodle
7. Boxer
6. Yorkshire Terrier
5. Bulldog
4. Beagle
3. Golden Retriever
2. German Shepherd
1. Labrador Retriever

Source: [Veterinary Pet Insurance Company](#)




The image shows a web browser window with a page titled "Top 10 Dog Breeds 2013". The page contains a list of dog breeds ranked from 10 to 1. A cartoon dog is positioned to the right of the list. Below the page content, a browser's developer tools are open, showing the HTML structure. The list is wrapped in an `<ol reversed>` tag. The styles panel on the right shows the default user agent styles for an `ol` element, including `display: block`, `list-style-type: decimal`, and various margin and padding settings.

We also have a bonus section covering the reversed HTML attribute.

Introduction

Top 10 Dog Breeds 2013


10. Dachshund
9. Rottweiler
8. Poodle
7. Boxer
6. Yorkshire Terrier
5. Bulldog

List breaking content such as a  **a new web page.**

4. Beagle
3. Golden Retriever
2. German Shepherd
1. Labrador Retriever

Source: [Veterinary Pet Insurance Company](#)

Elements | Network | Sources | Timeline | Profiles | Resources | Audits

```
<!DOCTYPE html>
<!-- How to Change a Light Bulb | Lon Hosford | www.lonhosford.com -->
<html>
  <head>...</head>
  <body>
    <h1>Top 10 Dog Breeds 2013</h1>
    <ol>
      <li>10. Dachshund</li>
      <li>9. Rottweiler</li>
      <li>8. Poodle</li>
      <li>7. Boxer</li>
      <li>6. Yorkshire Terrier</li>
      <li>5. Bulldog</li>
    </ol>
    <ol>
      <li>4. Beagle</li>
      <li>3. Golden Retriever</li>
      <li>2. German Shepherd</li>
      <li>1. Labrador Retriever</li>
    </ol>
    <p>List breaking content such as a  a new web page.</p>
  </body>
</html>
```

Styles | Computed | Event Listeners | DOM Breakpoints | Properties

```
element.style {
}

body {
  display: block;
  margin: 8px;
}
```

margin: 8px; border: 1px solid black; padding: 8px; 1264 x 340.250

Find in Styles

Then there is homework that challenges you to complete a page using the HTML attributes that we are covering.

Setup



`html_using_ordered_list_html_attributes`

start folder

`practice.html`



practice folder



`practice/practice.html`
`snippet.txt`

This demo uses the Chrome Web Browser

To follow the steps, copy the file in the activity's start folder and open the listed files in an editor.

Review The Starting Files

```
1 html_lists_ordered_attributes | Lon Hosford www.lonhosford.com
2
3 STEP 1: Change the type to uppercase Roman Numerals.
4     IN practice.html ON LINE 11 INSERT after ol:
5
6     type="I"
7
8 STEP 2: Change type value to lower case Roman Numerals
9     IN practice.html REPLACE I with i ON LINE 11.
10
11 <ol type="i">
12
13 STEP 3: Change type value to uppercase case Letters
14     IN practice.html REPLACE i with A ON LINE 11.
15
16 <ol type="A">
17
18 STEP 4: Break into two ordered lists.
19     IN practice.html INSERT ON LINE 17
20
21 </ol>
22
23 <ol type="A">
24
25 STEP 5: Insert placemaker paragraph between the lists
26     IN practice.html INSERT ON LINE 19
27
28 <h2>List breaking content such as advertising or continuing on a new web
29 page.</h2>
30
31 STEP 6: Start the second ordered list at next value.
32     IN practice.html INSERT type="A" ON LINE 20
33
34     start="6"
35
36
37
```

snippets.txt

```
1 <!doctype html>
2 <!-- How to Change a Light Bulb | Lon Hosford | www.lonhosford.com-->
3 <html>
4 <head>
5 <meta charset="UTF-8">
6 <title>How to Change a Light Bulb | Lon Hosford</title>
7 </head>
8
9 <body>
10 <h1>How to Change a Light Bulb</h1>
11 <ol>
12     <li>Get a replacement with recommended wattage.
13         <p>Warning! Bulbs that generate heat such as incandescent bulbs can
14         create a fire hazard if you exceed the recommended wattage.</p></li>
15     <li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
16     <li>Wait until bulb is cool to touch</li>
17     <li>Wear safety gloves. Bulbs can break and some are toxic if they do
18         break.</li>
19     <li>Unscrew the old bulb.</li>
20     <li>Screw in the replacement bulb.</li>
21     <li>Connect the power supply.</li>
22     <li>Dispose old bulb safely.
23         <ul>
24             <li>Follow any manufacture recommendations.</li>
25             <li>Obey local laws.</li>
26             <li>Keep out of reach of children.</li>
27         </ul>
28     </li>
29 </ol>
30 </body>
31 </html>
32
33
34
35
```

practice.html

The starting HTML file has no added CSS styling.

Review The Starting Files

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32     IN practice.html INSERT type="A" ON LINE 20
33
34 start="6"
35
36
37
```



```
1 <!doctype html>
2 <!-- How to Change a Light Bulb | Lon Hosford | www.lonhosford.com-->
3 <html>
4 <head>
5 <meta charset="UTF-8">
6 <title>How to Change a Light Bulb | Lon Hosford</title>
7 </head>
8
9 <body>
10 <h1>How to Change a Light Bulb</h1>
11 <ol>
12     <li>Get a replacement with recommended wattage.
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14         create a fire hazard if you exceed the recommended wattage.</p></li>
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18         break.</li>
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21     <li>Connect the power supply.</li>
22     <li>Dispose old bulb safely.
23         <ul>
24             <li>Follow any manufacture recommendations.</li>
25             <li>Obey local laws.</li>
26             <li>Keep out of reach of children.</li>
27         </ul>
28     </li>
29 </ol>
30 </body>
31 </html>
32
33
34
35
```

practice.html

Starting on line 11 there is a numbered list.

Review The Starting Files

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26     IN practice.html INSERT ON LINE 19
27
28 <h2>List breaking content such as advertising or continuing on a new web
29 page.</h2>
30
31 STEP 6: Start the second ordered list at next value.
32     IN practice.html INSERT "start="6" ON LINE 20
33
34     start="6"
35
36
37
```



```
1 <!doctype html>
2 <!-- How to Change a Light Bulb | Lon Hosford | www.lonhosford.com-->
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4 <head>
5 <meta charset="UTF-8">
6 <title>How to Change a Light Bulb | Lon Hosford</title>
7 </head>
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18     break.</li>
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21     <li>Connect the power supply.</li>
22     <li>Dispose old bulb safely.
23         <ul>
24             <li>Follow any manufacture recommendations.</li>
25             <li>Obey local laws.</li>
26             <li>Keep out of reach of children.</li>
27         </ul>
28     </li>
29 </ol>
30 </body>
31 </html>
32
33
34
35
```

practice.html

And on the last list item there is a level two bulleted list.

Review The Starting Files

How to Change a Light Bulb

1. Get a replacement with recommended wattage.
2. Disconnect the power supply. Turn off at the wall, socket or lamp
3. Wait until bulb is cool to touch
4. Wear safety gloves. Bulbs can break and some are toxic if they do break.
5. Unscrew the old bulb.
6. Screw in the replacement bulb.
7. Connect the power supply.
8. Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.

When we view this in the web browser, you see that decimal numbers are used as the default number style.

Review The Starting Files

How to Change a Light Bulb

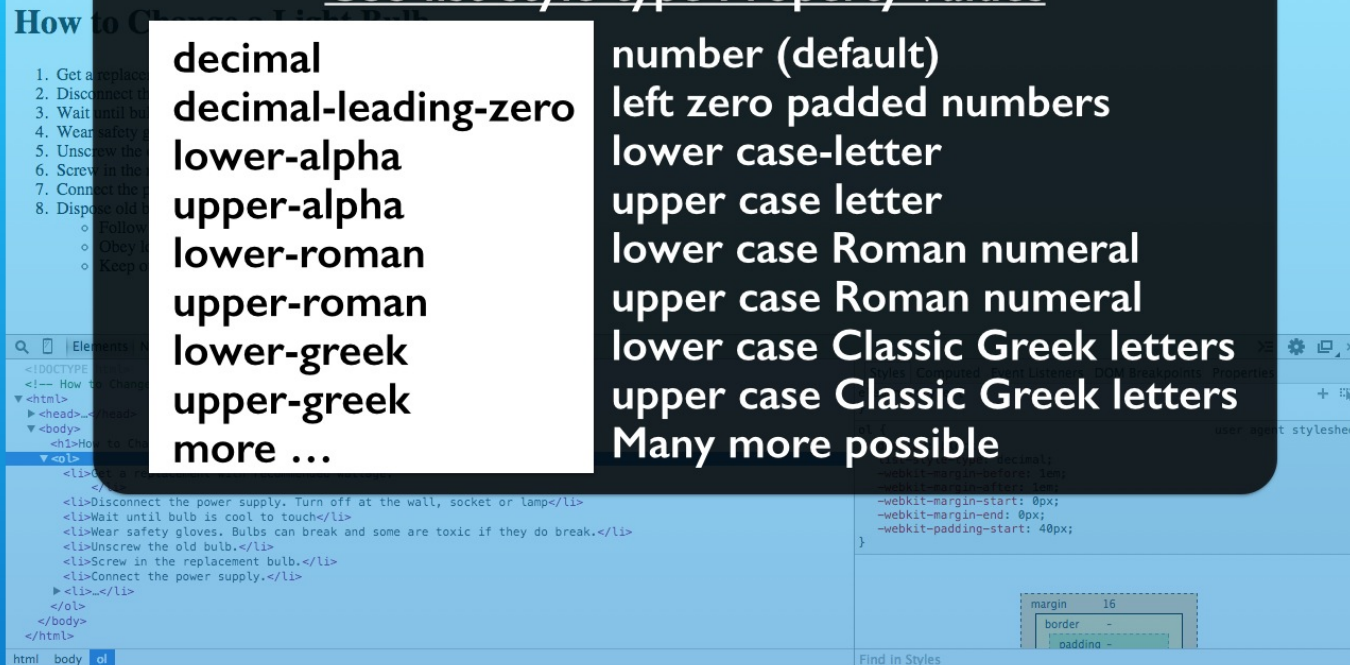
1. Get a replacement with recommended wattage.
2. Disconnect the power supply. Turn off at the wall, socket or lamp
3. Wait until bulb is cool to touch
4. Wear safety gloves. Bulbs can break and some are toxic if they do break.
5. Unscrew the old bulb.
6. Screw in the replacement bulb.
7. Connect the power supply.
8. Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.



And as we see that the CSS list-style-type property is used by default and is set the decimal value.

Review The Starting Files

CSS list-style-type Property Values



The screenshot shows a web browser with a document titled "How to Change a Light Bulb". The document contains an ordered list of instructions. A dark overlay box is positioned over the list, displaying a list of CSS `list-style-type` property values. The background document is partially visible, showing the HTML structure and a CSS stylesheet.

decimal
decimal-leading-zero
lower-alpha
upper-alpha
lower-roman
upper-roman
lower-greek
upper-greek
more ...

number (default)
left zero padded numbers
lower case-letter
upper case letter
lower case Roman numeral
upper case Roman numeral
lower case Classic Greek letters
upper case Classic Greek letters
Many more possible

How to Change a Light Bulb

1. Get a replacement bulb.
2. Disconnect the power supply. Turn off at the wall, socket or lamp.
3. Wait until bulb is cool to touch.
4. Wear safety gloves. Bulbs can break and some are toxic if they do break.
5. Unscrew the old bulb.
6. Screw in the replacement bulb.
7. Connect the power supply.
8. Dispose of old bulb properly.

user-agent stylesheet

Find in Styles

There are lots of styling options that we can use for this CSS property.


Review The Starting Files

CSS list-style-type Property Values

decimal
decimal-leading-zero
lower-alpha
lower-roman
upper-alpha
upper-roman
lower-greek
upper-greek
more ...

number (default)
left zero padded numbers
lower case-letter
upper case letter
lower case Roman numeral
upper case Roman numeral
lower case Classic Greek letters
upper case Classic Greek letters
Many more possible

CSS list-style-type Property



```
ol{  
  list-style-type:upper-alpha;  
}
```

You would apply them using CSS selectors in a style sheet.

Review The Starting Files

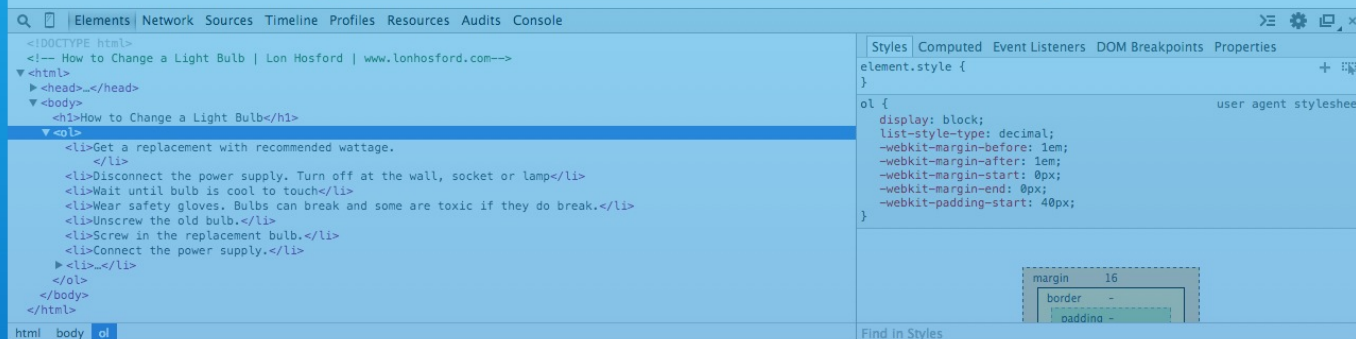
HTML type Attribute Values

1
a
A
i
I

number (default)
lower case letter
upper case letter
lower case Roman numeral
upper case Roman numeral

How to Change a Light Bulb

1. Get a replacement with recommended wattage.
2. Disconnect the power supply. Turn off at the wall, socket or lamp.
3. Wait until bulb is cool to touch.
4. Wear safety gloves. Bulbs can break and some are toxic if they do break.
5. Unscrew the old bulb.
6. Screw in the replacement bulb.
7. Connect the power supply.
8. Dispose old bulb safely.
 - o Follow any manufacture recommendations.
 - o Obey local laws.
 - o Keep out of reach of children.



We also have the HTML type attribute for list item number styling. It has a limited list of values compared to the CSS list-style-type property.

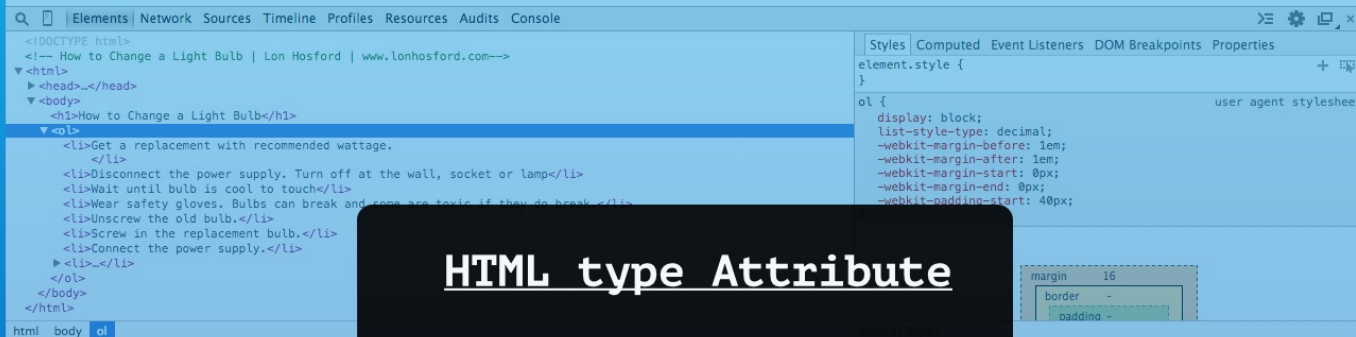
Review The Starting Files

How to Change a Light Bulb

1. Get a replacement with recommended wattage.
2. Disconnect the power supply. Turn off at the wall, socket or lamp.
3. Wait until bulb is cool to touch.
4. Wear safety gloves. Bulbs can break and some are toxic if they do break.
5. Unscrew the old bulb.
6. Screw in the replacement bulb.
7. Connect the power supply.
8. Dispose old bulb safely.
 - o Follow any manufacture recommendations.
 - o Obey local laws.
 - o Keep out of reach of children.

HTML type Attribute Values

- 1 number (default)
- a lower case letter
- A upper case letter
- i lower case Roman numeral
- I upper case Roman numeral



HTML type Attribute

```
<ol type="A">
  <li>. . .</li>
  <li>. . .</li>
  <li>. . .</li>
</ol>
```

The type attribute is valid for the ol, ul and li list elements.

Review The Starting Files

How to Change a Light Bulb

1. Get a replacement with recommended wattage.
2. Disconnect the power supply. Turn off at the wall, socket or lamp.
3. Wait until bulb is cool to touch
4. Wear safety gloves. Bulbs can break and some are under pressure.
5. Unscrew the old bulb.
6. Screw in the replacement bulb.
7. Connect the power supply.
8. Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.

**CSS list-style-type property
vs
HTML type attribute**

CSS list-style-type Property Values

decimal	number (default)
decimal-leading-zero	left zero padded numbers
lower-alpha	lower case letter
upper-alpha	upper case letter
lower-roman	lower case Roman numeral
upper-roman	upper case Roman numeral
lower-greek	lower case Classic Greek letters
upper-greek	upper case Classic Greek letters
more ...	Many more possible

HTML type Attribute Values

1	number (default)
a	lower case letter
A	upper case letter
i	lower case Roman numeral
I	upper case Roman numeral

So you may ask which should you use: the CSS list-style-property or the HTML type attribute?

Review The Starting Files

How to Change a Light Bulb

1. Get a replacement with recommended wattage.
2. Disconnect the power supply. Turn off at the wall, socket or lamp.
3. Wait until bulb is cool to touch.
4. Wear safety gloves. Bulbs can break and some are under high pressure.
5. Unscrew the old bulb.
6. Screw in the replacement bulb.
7. Connect the power supply.
8. Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.

**CSS list-style-type property
vs
HTML type attribute**

CSS list-style-type Property Values

decimal	number (default)
decimal-leading-zero	left zero padded numbers
lower-alpha	lower case letter
upper-alpha	upper case letter
lower-roman	lower case Roman numeral
upper-roman	upper case Roman numeral
lower-greek	lower case Classic Greek letters
upper-greek	upper case Classic Greek letters
more ...	Many more possible

HTML type Attribute Values

1	number (default)
a	lower case letter
A	upper case letter
i	lower case Roman numeral
I	upper case Roman numeral

The CSS list-style-type property is a best choice for styling needs. It has the most options. It can be centralized in a style sheet for sharing between elements and web pages.

Review The Starting Files

How to Change a Light Bulb

1. Get a replacement with recommended wattage.
2. Disconnect the power supply. Turn off at the wall, socket or lamp.
3. Wait until bulb is cool to touch.
4. Wear safety gloves. Bulbs can break and some are under high pressure.
5. Unscrew the old bulb.
6. Screw in the replacement bulb.
7. Connect the power supply.
8. Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.

**CSS list-style-type property
vs
HTML type attribute**

CSS list-style-type Property Values

decimal	number (default)
decimal-leading-zero	left zero padded numbers
lower-alpha	lower case-letter
upper-alpha	upper case letter
lower-roman	lower case Roman numeral
upper-roman	upper case Roman numeral
lower-greek	lower case Classic Greek letters
upper-greek	upper case Classic Greek letters
more ...	Many more possible

HTML type Attribute Values

1	number (default)
a	lower case letter
A	upper case letter
i	lower case Roman numeral
I	upper case Roman numeral

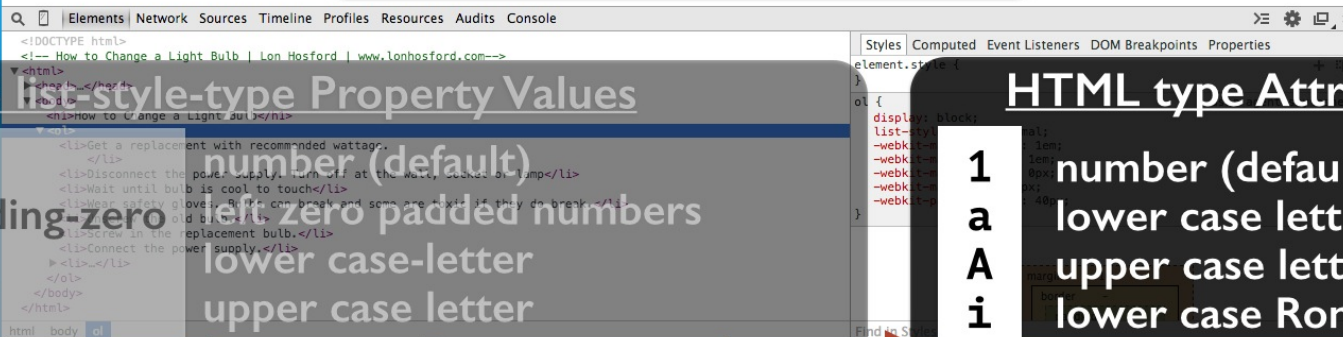
If the value of the list number style represents content, then we use the HTML type attribute to set the numbering. For example in a technical document or for a law, the style of the number may identify the list item.

Review The Starting Files

How to Change a Light Bulb

1. Get a replacement with recommended wattage.
2. Disconnect the power supply. Turn off at the wall, socket or lamp.
3. Wait until bulb is cool to touch.
4. Wear safety gloves. Bulbs can break and some are toxic if they do break.
5. Unscrew the old bulb.
6. Screw in the replacement bulb.
7. Connect the power supply.
8. Dispose old bulb safely.
 - o Follow any manufacture recommendations.
 - o Obey local laws.
 - o Keep out of reach of children.

CSS list-style-type property
vs
HTML type attribute



CSS list-style-type Property Values

decimal
decimal-leading-zero
lower-alpha
upper-alpha
lower-roman
upper-roman
lower-greek
upper-greek
more ...
number (default)
left zero padded numbers
lower case-letter
upper case letter
lower case Roman numeral
upper case Roman numeral
lower case Classic Greek letters
upper case Classic Greek letters
Many more possible

HTML type Attribute Values

1
a
A
i
I
number (default)
lower case letter
upper case letter
lower case Roman numeral
upper case Roman numeral

We are going to use the HTML type attribute to see how it works. Lets start with upper case Roman numerals.

Step I - Change the type to uppercase Roman Numerals

```
2
3 STEP 1: Change the type to uppercase Roman Numerals.
4     IN practice.html ON LINE 11 INSERT after ol:
5
6 type="I"
7
8 STEP 2: Change type value to lower case Roman Numerals
9     IN practice.html REPLACE I with i ON LINE 11.
10
11 <ol type="i">
12
13 STEP 3: Change type value to uppercase case Letters
14     IN practice.html REPLACE i with A ON LINE 11.
15
16 <ol type="A">
17
18 STEP 4: Break into two ordered lists.
19     IN practice.html INSERT ON LINE 17
20
21 </ol>
22
23 <ol type="A"
24
25 STEP 5: Insert placemark paragraph between the lists
26     IN practice.html IN snippets.txt
27
28 <h2>List breaking content such as advertising or continuing on a new web
29 page.</h2>
30
31 STEP 6: Start the second ordered list at next value.
32     IN practice.html INSERT AFTER type="A" ON LINE 20
33
34 start="6"
35
36
37
38
```




```
9 <body>
10 <h1>How to Change a Light Bulb</h1>
11 <ol type="I">
12     <li>Get a replacement with recommended wattage.
13         <p>Warning! Bulbs that generate heat such as incandescent bulbs can
14         create a fire hazard if you exceed the recommended wattage.</p></li>
15     <li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
16     <li>Wait until bulb is cool to touch</li>
17     <li>Wear safety gloves. Bulbs can break and some are toxic if they do
18     break.</li>
19     <li>Unscrew the old bulb.</li>
20     <li>Screw in the replacement bulb.</li>
21     <li>Connect the power supply.</li>
22     <li>Dispose old bulb safely.
23         <ul>
24             <li>Follow any manufacture recommendations.</li>
25             <li>Obey local laws.</li>
26             <li>Keep out of reach of children.</li>
27         </ul>
28     </li>
29 </ol>
30 </body>
31 </html>
32
33
34
35
36
37
38
39
40
41
42
43
```

practice.html

The first step is to insert the type attribute in the ol element's open tag. We will set it to the upper case letter I.

Testing in the Web Browser

How to Change a Light Bulb

- 
- I. Get a replacement with recommended wattage.
 - II. Disconnect the power supply. Turn off at the wall, socket or lamp
 - III. Wait until bulb is cool to touch
 - IV. Wear safety gloves. Bulbs can break and some are toxic if they do break.
 - V. Unscrew the old bulb.
 - VI. Screw in the replacement bulb.
 - VII. Connect the power supply.
 - VIII. Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.

ol 1264px x 198px



The screenshot shows the developer tools interface with the 'Elements' panel on the left and the 'Styles' panel on the right. The 'Elements' panel displays the HTML structure of the page, including the document type, head, body, and a main heading. A list of instructions is shown as an ordered list (`<ol type="I">`). The 'Styles' panel shows the default user agent styles for the `ol` element, including `display: block`, `list-style-type: decimal`, and `list-style-type: upper-roman`.

Save and reload in the web browser. First you see that we have the Roman numerals. They are right justified inside the left padding.

Testing in the Web Browser

How to Change a Light Bulb

- I. Get a replacement with recommended wattage.
- II. Disconnect the power supply. Turn off at the wall, socket or lamp
- III. Wait until bulb is cool to touch
- IV. Wear safety gloves. Bulbs can break and some are toxic if they do break.
- V. Unscrew the old bulb.
- VI. Screw in the replacement bulb.
- VII. Connect the power supply.
- VIII. Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.

list-style-type:decimal



If you look at the styles panel, you see that the default list-style-type property is overridden by the HTML attribute. HTML attributes represent a more specific selector for an element, so it trumps identical properties from style sheet selectors.

Step 2 - Change type value to lower case Roman Numerals

```
7
8 STEP 2: Change type value to lower case Roman Numerals
9   IN practice.html REPLACE I with i ON LINE 11.
10
11 <ol type="i">
12
13 STEP 3: Change type value to uppercase case Letters
14   IN practice.html REPLACE i with A ON LINE 11.
15
16 <ol type="A">
17
18 STEP 4: Break into two ordered lists.
19   IN practice.html INSERT ON LINE 17
20
21 </ol>
22
23 <ol type="A">
24
25 STEP 5: Insert placemaker paragraph between the lists
26   IN practice.html INSERT ON LINE 19
27
28 <h2>List breaking content such as advertising or continuing on a new web
29 page.</h2>
30
31 STEP 6: Start the second or snippets.txt value.
32   IN practice.html INSERT AFTER type="A" ON LINE 20
33   start="6"
34
35
36
37
38
39
40
41
42
43
```



```
9 <body>
10 <h1>How to Change a Light Bulb</h1>
11 <ol type="i">
12   <li>Get a replacement with recommended wattage.
13     <p>Warning! Bulbs that generate heat such as incandescent bulbs can
14       create a fire hazard if you exceed the recommended wattage.</p></li>
15   <li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
16   <li>Wait until bulb is cool to touch</li>
17   <li>Wear safety gloves. Bulbs can break and some are toxic if they do
18     break.</li>
19   <li>Unscrew the old bulb.</li>
20   <li>Screw in the replacement bulb.</li>
21   <li>Connect the power supply.</li>
22   <li>Dispose old bulb safely.
23     <ul>
24       <li>Follow any manufacture recommendations.</li>
25       <li>Obey local laws.</li>
26       <li>Keep out of reach of children.</li>
27     </ul>
28   </li>
29 </ol>
30 </body>
31 </html>
32
33
34
35
36
37
38
39
40
41
42
43
```

practice.html

Now we can easily go to lower case Roman numerals in step 2. Just change the upper case letter I to lower case.

Testing in the Web Browser

How to Change a Light Bulb

- i. Get a replacement with recommended wattage.
- ii. Disconnect the power supply. Turn off at the wall, socket or lamp
- iii. Wait until bulb is cool to touch
- iv. Wear safety gloves. Bulbs can break and some are toxic if they do break.
- v. Unscrew the old bulb.
- vi. Screw in the replacement bulb.
- vii. Connect the power supply.
- viii. Dispose old bulb safely.
 - o Follow any manufacture recommendations.
 - o Obey local laws.
 - o Keep out of reach of children.

list-style-type:lower-roman



Save and check in the web browser. Now lets try one more variation.

Step 3 - Change type value to uppercase case letters

```
12
13 STEP 3: Change type value to uppercase case Letters
14     IN practice.html REPLACE i with A ON LINE 11.
15
16 <ol type="A">
17
18 STEP 4: Break into two ordered lists.
19     IN practice.html INSERT ON LINE 17
20
21 </ol>
22
23 <ol type="A"
24
25 STEP 5: Insert placemaker paragraph between the lists
26     IN practice.html INSERT ON LINE 19
27
28 <h2>List breaking content such as advertising or continuing on a new web
29 page.</h2>
30
31 STEP 6: Start the second ordered list at next value.
32     IN practice.html INSERT AFTER type="A" ON LINE 20
33
34 start="6"
35
36
37
38
39
40
41
42
43
44
45
46
47
48
```

snippets.txt



```
9 <body>
10 <h1>How to Change a Light Bulb</h1>
11 <ol type="A">
12     <li>Get a replacement with recommended wattage.
13         <p>Warning! Bulbs that generate heat such as incandescent bulbs can
14         create a fire hazard if you exceed the recommended wattage.</p></li>
15     <li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
16     <li>Wait until bulb is cool to touch</li>
17     <li>Wear safety gloves. Bulbs can break and some are toxic if they do
18     break.</li>
19     <li>Unscrew the old bulb.</li>
20     <li>Screw in the replacement bulb.</li>
21     <li>Connect the power supply.</li>
22     <li>Dispose old bulb safely.
23         <ul>
24             <li>Follow any manufacture recommendations.</li>
25             <li>Obey local laws.</li>
26             <li>Keep out of reach of children.</li>
27         </ul>
28     </li>
29 </ol>
30 </body>
31 </html>
32
33
34
35
36
37
38
39
40
41
42
43
```

practice.html

And that will be for displaying upper case letters. Changing the type attribute to an upper case letter A is all we do for step 3.

Testing in the Web Browser

How to Change a Light Bulb

- A. Get a replacement with recommended wattage.
- B. Disconnect the power supply. Turn off at the wall, socket or lamp
- C. Wait until bulb is cool to touch
- D. Wear safety gloves. Bulbs can break and some are toxic if they do break.
- E. Unscrew the old bulb.
- F. Screw in the replacement bulb.
- G. Connect the power supply.
- H. Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.

list-style-type:upper-alpha

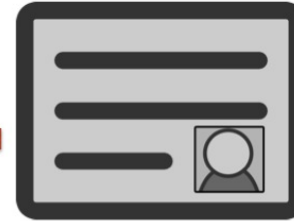


Save, reload and check it out in the web browser.

Testing in the Web Browser

How to Change a Light Bulb

- A. Get a replacement with recommended wattage.
- B. Disconnect the power supply. Turn off at the wall, socket or lamp
- C. Wait until bulb is cool to touch
- D. Wear safety gloves. Bulbs can break and some are toxic if they do break.
- E. Unscrew the old bulb.
- F. Screw in the replacement bulb.
- G. Connect the power supply.
- H. Dispose old bulb safely.
 - o Follow any manufacture recommendations.
 - o Obey local laws.
 - o Keep out of reach of children.

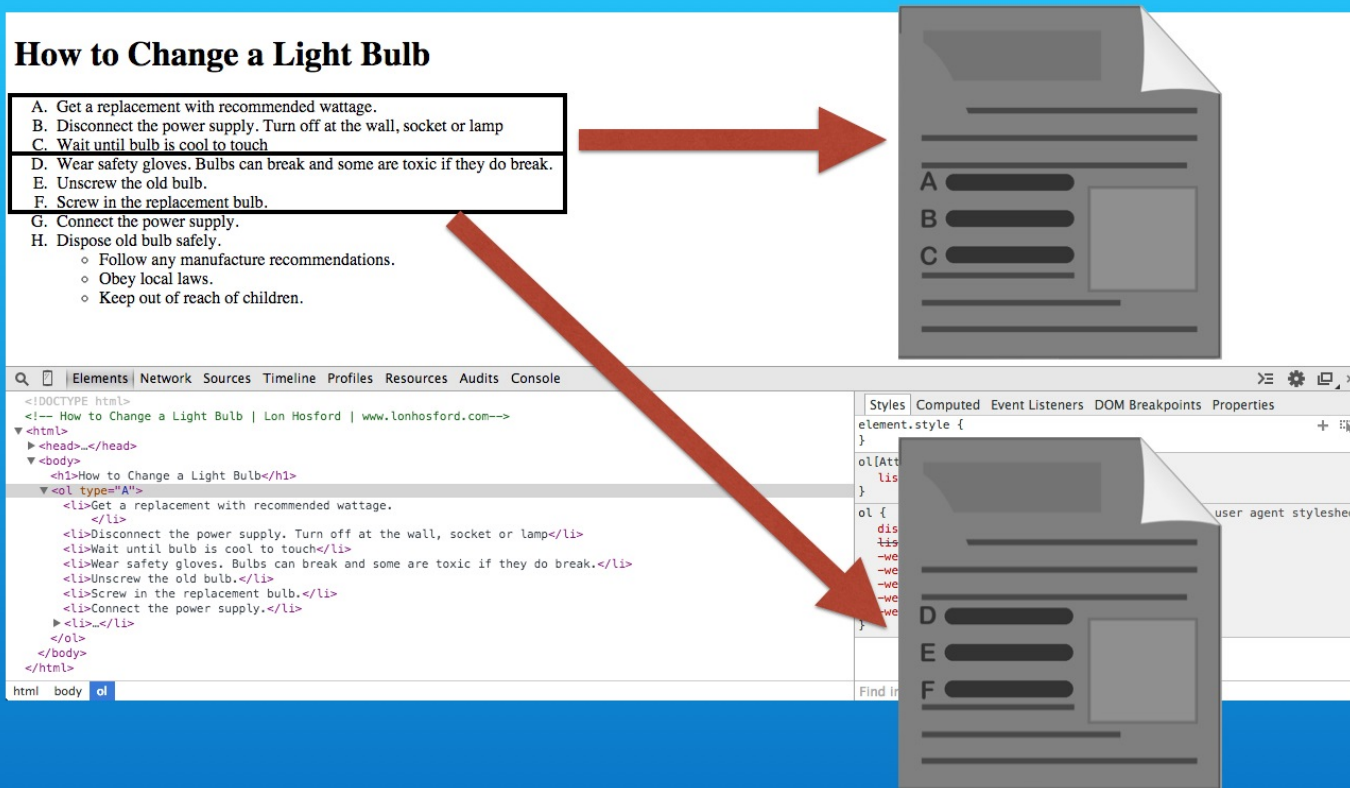


You may find at times that you need to insert content not related to the list. An advertisement might be an example.

Testing in the Web Browser

How to Change a Light Bulb

- A. Get a replacement with recommended wattage.
- B. Disconnect the power supply. Turn off at the wall, socket or lamp
- C. Wait until bulb is cool to touch
- D. Wear safety gloves. Bulbs can break and some are toxic if they do break.
- E. Unscrew the old bulb.
- F. Screw in the replacement bulb.
- G. Connect the power supply.
- H. Dispose old bulb safely.
 - o Follow any manufacture recommendations.
 - o Obey local laws.
 - o Keep out of reach of children.



The diagram illustrates a testing scenario for a web page. It shows a list of steps for changing a light bulb. A red arrow points from the list to a document icon labeled A, B, C. Another red arrow points from the list to a document icon labeled D, E, F. Below the list is a screenshot of a web browser's developer tools showing the HTML structure of the page, with the list of steps highlighted in the DOM tree.

```
<!DOCTYPE html>
<!-- How to Change a Light Bulb | Lon Hosford | www.lonhosford.com-->
<html>
<head>...</head>
<body>
<h1>How to Change a Light Bulb</h1>
<ol type="A">
<li>Get a replacement with recommended wattage.
</li>
<li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
<li>Wait until bulb is cool to touch</li>
<li>Wear safety gloves. Bulbs can break and some are toxic if they do break.</li>
<li>Unscrew the old bulb.</li>
<li>Screw in the replacement bulb.</li>
<li>Connect the power supply.</li>
</ol>
</body>
</html>
```

Or you may need to spread your numbered list over multiple web pages.

Testing in the Web Browser

```
<ol>
  <li></li>
  <li></li>
  <li></li>
</ol>
```


```
<ol start="4">
  <li></li>
  <li></li>
  <li></li>
</ol>
```

```
<ol start="8">
  <li></li>
  <li></li>
  <li></li>
</ol>
```

To handle these situations, break your list into multiple lists. Then you add the HTML start attribute to the ol element. It takes a number to indicate the starting value in the lists.

Testing in the Web Browser

How to Change a Light Bulb

- 
- Get a replacement with recommended wattage.
 - Disconnect the power supply. Turn off at the wall, socket or lamp
 - Wait until bulb is cool to touch
 - Wear safety gloves. Bulbs can break and some are toxic if they do break.
 - Unscrew the old bulb.
 - Screw in the replacement bulb.
 - Connect the power supply.
 - Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.



Elements Network Sources Timeline Profiles Resources Audits Console

<!DOCTYPE html>
<!-- How to Change a Light Bulb | Lon Hosford | www.lonhosford.com-->
<html>
 <head>...</head>
 <body>
 <h1>How to Change a Light Bulb</h1>
 <ol type="A">
 Get a replacement with recommended wattage.
 Disconnect the power supply. Turn off at the wall, socket or lamp
 Wait until bulb is cool to touch
 Wear safety gloves. Bulbs can break and some are toxic if they do break.
 Unscrew the old bulb.
 Screw in the replacement bulb.
 Connect the power supply.

 </body>
</html>

html body ol

Styles Computed Event Listeners DOM Breakpoints Properties

element.style {
}

ol[Attributes Style] {
 list-style-type: upper-alpha;
}

ol {
 display: block;
 list-style-type: decimal;
 -webkit-margin-before: 1em;
 -webkit-margin-after: 1em;
 -webkit-margin-start: 0px;
 -webkit-margin-end: 0px;
 -webkit-padding-start: 40px;
}

user agent stylesheet

Find in Styles

We will break our list at the fifth list item. Then we can insert place marker text content not included in the list items.

Step 4: Break into two ordered lists.

```
17
18 STEP 4: Break into two ordered lists.
19     IN practice.html INSERT ON LINE 17
```

```
20
21 </ol>
22
23 <ol type="A"
```

```
24
25 STEP 5: Insert placemaker paragraph between the lists
26     IN practice.html INSERT ON LINE 19
```

```
27
28 <h2>List breaking content such as advertising or continuing on a new we
page.</h2>
```

```
29
30 STEP 6: Start the second ordered list at next value.
31     IN practice.html INSERT AFTER type="A" ON LINE 20
```

```
32
33     start="6"
```

snippets.txt

```
9 <body>
10 <h1>How to Change a Light Bulb</h1>
11 <ol type="A">
12     <li>Get a replacement with recommended wattage.
13         <p>Warning! Bulbs that generate heat such as incandescent bulbs can
            create a fire hazard if you exceed the recommended wattage.</p></li>
14     <li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
15     <li>Wait until bulb is cool to touch</li>
16     <li>Wear safety gloves. Bulbs can break and some are toxic if they do
            break.</li>
17     <li>Unscrew the old bulb.</li>
18 </ol>
19
20 <ol type="A">
21     <li>Screw in the replacement bulb.</li>
22     <li>Connect the power supply.</li>
23     <li>Dispose old bulb safely.
24         <ul>
25             <li>Follow any manufacture recommendations.</li>
26             <li>Obey local laws.</li>
27             <li>Keep out of reach of children.</li>
28         </ul>
29     </li>
30 </ol>
31 </body>
32 </html>
```

practice.html

First break the list in two. Place the code snippet for step 4 after the fifth list item.

Step 4: Break into two ordered lists.

```
17
18 STEP 4: Break into two ordered lists.
19     IN practice.html INSERT ON LINE 17
```

```
20
21 </ol>
22
23 <ol type="A">
```

```
24
25 STEP 5: Insert placemaker paragraph between the lists
26     IN practice.html INSERT ON LINE 19
27
28 <h2>List breaking content such as advertising or continuing on a new web
29 page.</h2>
```

```
30 STEP 6: Start the second ordered list at next value.
31     IN practice.html INSERT AFTER type="A" ON LINE 20
32
33 start="6"
```

snippets.txt

```
9 <body>
10 <h1>How to Change a Light Bulb</h1>
11 <ol type="A">
12     <li>Get a replacement with recommended wattage.
13         <p>Warning! Bulbs that generate heat such as incandescent bulbs can
14         create a fire hazard if you exceed the recommended wattage.</p></li>
15     <li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
16     <li>Wait until bulb is cool to touch</li>
17     <li>Wear safety gloves. Bulbs can break and some are toxic if they do
18     break.</li>
19     <li>Unscrew the old bulb.</li>
20 </ol>
21
22 <ol type="A">
23     <li>Screw in the replacement bulb.</li>
24     <li>Connect the power supply.</li>
25     <li>Dispose old bulb safely.
26         <ul>
27             <li>Follow any manufacture recommendations.</li>
28             <li>Obey local laws.</li>
29             <li>Keep out of reach of children.</li>
30         </ul>
31     </li>
32 </ol>
33 </body>
34 </html>
```

practice.html

That gives us two separate lists. We can now insert content between the two lists.

Step 5: Insert place marker paragraph between the lists

```
24
25 STEP 5: Insert placemaker paragraph between the lists
26     IN practice.html INSERT ON LINE 19
```

```
27
28 <h2>List breaking content such as advertising or continuing on a new web
29 page.</h2>
```

```
30 STEP 6: Start the second ordered list at next value.
31     IN practice.html INSERT AFTER type="A" ON LINE 20
```

```
32
33 start="6"
```

snippets.txt



```
9 <body>
10 <h1>How to Change a Light Bulb</h1>
11 <ol type="A">
12     <li>Get a replacement with recommended wattage.
13         <p>Warning! Bulbs that generate heat such as incandescent bulbs can
14             create a fire hazard if you exceed the recommended wattage.</p></li>
15     <li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
16     <li>Wait until bulb is cool to touch</li>
17     <li>Wear safety gloves. Bulbs can break and some are toxic if they do
18         break.</li>
19     <li>Unscrew the old bulb.</li>
20 </ol>
21 <h2>List breaking content such as advertising or continuing on a new web
22 page.</h2>
23 <ol type="A">
24     <li>Screw in the replacement bulb.</li>
25     <li>Connect the power supply.</li>
26     <li>Dispose old bulb safely.
27         <ul>
28             <li>Follow any manufacture recommendations.</li>
29             <li>Obey local laws.</li>
30             <li>Keep out of reach of children.</li>
31         </ul>
32     </li>
33 </ol>
34 </body>
35 </html>
```

practice.html

Just copy and paste the snippet in step 5 between the two lists. Save and lets check to see what we have in the web browser.

Testing in the Web Browser

How to Change a Light Bulb

- A. Get a replacement with recommended wattage.
- B. Disconnect the power supply. Turn off at the wall, socket or lamp
- C. Wait until bulb is cool to touch
- D. Wear safety gloves. Bulbs can break and some are toxic if they do break.
- E. Unscrew the old bulb.

List breaking content such as advertising or continuing on a new web page.

- A. Screw in the replacement bulb.
- B. Connect the power supply.
- C. Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.



Now you see we have two lists. The one problem we have is that the numbering starts over with the second list. So we can fix that using the HTML start attribute.

STEP 6: Start the second ordered list at next value

```
29
30 STEP 6: Start the second ordered list at next value.
31     IN practice.html INSERT AFTER type="A" ON LINE 20
32
```

```
33 start="6"
```

snippets.txt



```
9 <body>
10 <h1>How to Change a Light Bulb</h1>
11 <ol type="A">
12     <li>Get a replacement with recommended wattage.
13         <p>Warning! Bulbs that generate heat such as incandescent bulbs can
14             create a fire hazard if you exceed the recommended wattage.</p></li>
15     <li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
16     <li>Wait until bulb is cool to touch</li>
17     <li>Wear safety gloves. Bulbs can break and some are toxic if they do
18         break.</li>
19     <li>Unscrew the old bulb.</li>
20 </ol>
21 <h2>List breaking content such as advertising or continuing on a new web
22     page.</h2>
23 <ol type="A" start="6">
24     <li>Screw in the replacement bulb.</li>
25     <li>Connect the power supply.</li>
26     <li>Dispose old bulb safely.
27         <ul>
28             <li>Follow any manufacture recommendations.</li>
29             <li>Obey local laws.</li>
30             <li>Keep out of reach of children.</li>
31         </ul>
32     </li>
33 </ol>
34 </body>
35 </html>
```

practice.html

We can place it right after the type attribute in the second ol element's open tag. Set the value to 6. Because it is alphabetically numbered, the six translates to the letter F.

Testing in the Web Browser

How to Change a Light Bulb

- A. Get a replacement with recommended wattage.
- B. Disconnect the power supply. Turn off at the wall, socket or lamp
- C. Wait until bulb is cool to touch
- D. Wear safety gloves. Bulbs can break and some are toxic if they do break.
- E. Unscrew the old bulb.

List breaking content such as advertising or continuing on a new web page.

- F. Screw in the replacement bulb.
- G. Connect the power supply.
- H. Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.



The screenshot shows a web browser window with the title 'How to Change a Light Bulb | Lon Hosford | www.lonhosford.com'. The page content includes a list of steps A through E, followed by a section header 'List breaking content such as advertising or continuing on a new web page.' and a second list starting with 'F. Screw in the replacement bulb.' A red arrow points to this second list. The browser's developer tools are open, showing the 'Elements' panel with the HTML structure of the page. The 'Styles' panel shows the default user agent styles for an 'ol' element, including 'list-style-type: upper-alpha;'. The 'Computed' panel shows the 'display: block;' style for the 'ol' element.

```
<!DOCTYPE html>
<!-- How to Change a Light Bulb | Lon Hosford | www.lonhosford.com -->
<html>
<head>...</head>
<body>
<h1>How to Change a Light Bulb</h1>
<ol type="A">
<li>Get a replacement with recommended wattage.
</li>
<li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
<li>Wait until bulb is cool to touch</li>
<li>Wear safety gloves. Bulbs can break and some are toxic if they do break.</li>
<li>Unscrew the old bulb.</li>
</ol>
<h2>List breaking content such as advertising or continuing on a new web page.</h2>
<ol type="A" start="6">...</ol>
</body>
</html>
```

Save and reload. The change is subtle, but if you look closely, you can see that the second list starts with the upper case letter F.

Bonus

```
<ol reversed>  
  <li>. . .</li>  
  <li>. . .</li>  
  <li>. . .</li>  
</ol>
```




Sometimes you need a countdown list. Basically you are reversing the order of the numbers. The HTML attribute that you use is called `reversed`. It has no value. You either include it or not in your element's opening tag.

Bonus

```
<ol reversed>  
  <li>. . .</li>  
  <li>. . .</li>  
  <li>. . .</li>  
</ol>
```



```
<ol type="I" start="5" reversed>  
  <li></li>  
  <li></li>  
  <li></li>  
</ol>
```



BONUS

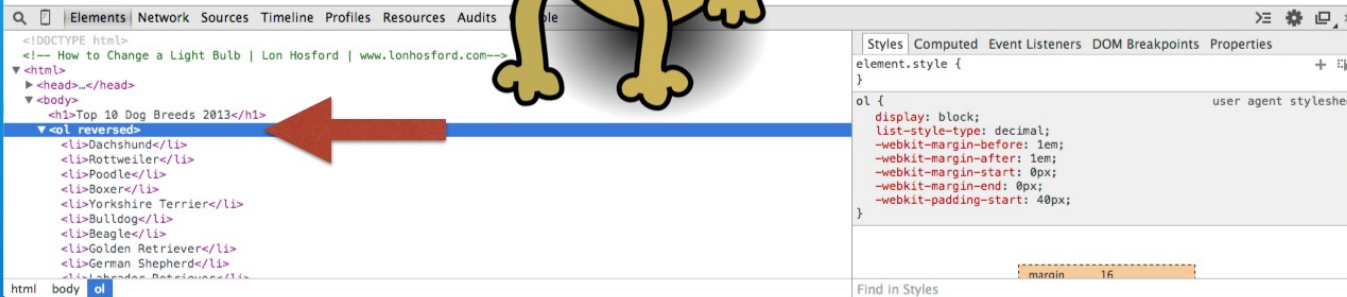
You can freely mix it with the other ol element attributes that we discussed so far.

Bonus

Top 10 Dog Breeds 2013

10. Dachshund
9. Rottweiler
8. Poodle
7. Boxer
6. Yorkshire Terrier
5. Bulldog
4. Beagle
3. Golden Retriever
2. German Shepherd
1. Labrador Retriever

Source: [Veterinary Pet Insurance Company](#)



BONUS



html_using_ordered_list_html_attributes
bonus/top_10_dog_breeds_reversed.html

Here is an example that you will find in your bonus folder. The reversed attribute does not sort the list. It just automatically decreases the count from the total number of items in the list.

Summary

- * Understand the type attribute
- * Understand the start attribute
- * View and test with web browser

```
<ol type="A">  
  <li></li>  
  <li></li>  
  <li></li>  
</ol>
```

How to Change a Light Bulb

- A. Get a replacement with recommended wattage.
- B. Disconnect the power supply. Turn off at the wall, sock
- C. Wait until bulb is cool to touch
- D. Wear safety gloves. Bulbs can break and some are toxic
- E. Unscrew the old bulb.
- F. Screw in the replacement bulb.
- G. Connect the power supply.
- H. Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.

That completes our work. We saw how the HTML type attribute is applied to the ol element. It changes the number format of the list items.

Summary

- * Understand the type attribute
- * Understand the start attribute
- * View and test with web browser

```
<ol type="A">  
  <li></li>  
  <li></li>  
  <li></li>  
</ol>
```

HTML type Attribute Values

1	number (default)
a	lower case letter
A	upper case letter
i	lower case Roman numeral
I	upper case Roman numeral

Each format has a single character value.

Summary

* Understand the type attribute

CSS list-style-type Property Values

decimal	number (default)
decimal-leading-zero	left zero padded numbers
lower-alpha	lower case-letter
upper-alpha	upper case letter
lower-roman	lower case Roman numeral
upper-roman	upper case Roman numeral
lower-greek	lower case Classic Greek letters
upper-greek	upper case Classic Greek letters
more ...	Many more possible

HTML type Attribute Values

1	number (default)
a	lower case letter
A	upper case letter
i	lower case Roman numeral
I	upper case Roman numeral

There is also a CSS option to styling lists. It uses the list-style-type property. You will side with the CSS option unless your list number formats are associated with identifying the item in the list.

Summary

* Understand the type attribute

* Understand the start attribute

* View with web browser



How to Change a Light Bulb

- A. Get a replacement with recommended wattage.
- B. Disconnect the power supply. Turn off at the wall, so that you can safely work on the bulb.
- C. Wait until bulb is cool to touch.
- D. Wear safety gloves. Bulbs can break and some are toxic.
- E. Unscrew the old bulb.

List breaking content such as advertising

- F. Screw in the replacement bulb.
- G. Connect the power supply.
- H. Dispose old bulb safely.
 - Follow any manufacturer recommendations.
 - Obey local laws.
 - Keep out of reach of children.

How to Change a Light Bulb

- A. Get a replacement with recommended wattage.
- B. Disconnect the power supply. Turn off at the wall, so that you can safely work on the bulb.
- C. Wait until bulb is cool to touch.
- D. Wear safety gloves. Bulbs can break and some are toxic.
- E. Unscrew the old bulb.
- F. Screw in the replacement bulb.
- G. Connect the power supply.
- H. Dispose old bulb safely.
 - Follow any manufacturer recommendations.
 - Obey local laws.
 - Keep out of reach of children.

How to Change a Light Bulb

- A. Get a replacement with recommended wattage.
- B. Disconnect the power supply. Turn off at the wall, so that you can safely work on the bulb.
- C. Wait until bulb is cool to touch.
- D. Wear safety gloves. Bulbs can break and some are toxic.
- E. Unscrew the old bulb.
- F. Screw in the replacement bulb.
- G. Connect the power supply.
- H. Dispose old bulb safely.
 - Follow any manufacturer recommendations.
 - Obey local laws.
 - Keep out of reach of children.

We also saw how to handle breaking up a numbered list's HTML element.

Summary

* Understand the type attribute

* Understand the start attribute

* View with web browser



How to Change a Light Bulb

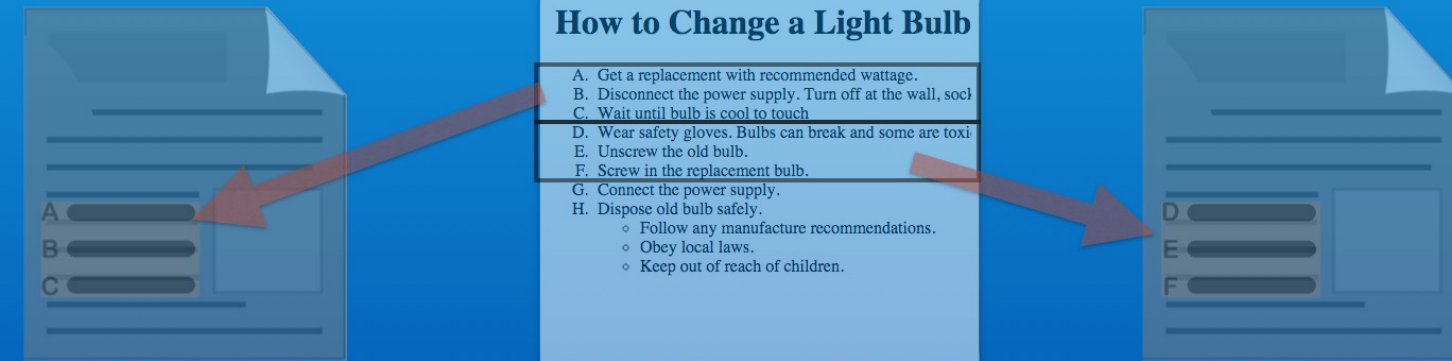
- A. Get a replacement with recommended wattage.
- B. Disconnect the power supply. Turn off at the wall, so cl
- C. Wait until bulb is cool to touch
- D. Wear safety gloves. Bulbs can break and some are toxi
- E. Unscrew the old bulb.

List breaking content such as advertisi

- F. Screw in the replacement bulb.
- G. Connect the power supply.
- H. Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.

How to Change a Light Bulb

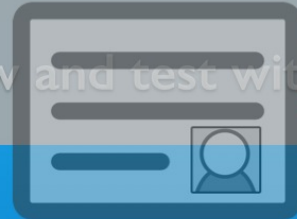
- A. Get a replacement with recommended wattage.
- B. Disconnect the power supply. Turn off at the wall, so cl
- C. Wait until bulb is cool to touch
- D. Wear safety gloves. Bulbs can break and some are toxi
- E. Unscrew the old bulb.
- F. Screw in the replacement bulb.
- G. Connect the power supply.
- H. Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.



We have the cases where certain content that does not fit the list format or is unrelated, like an advertisement embedded in the content.

Summary

- * Understand the type attribute
- * Understand the start attribute
- * View and test with web browser



How to Change a Light Bulb

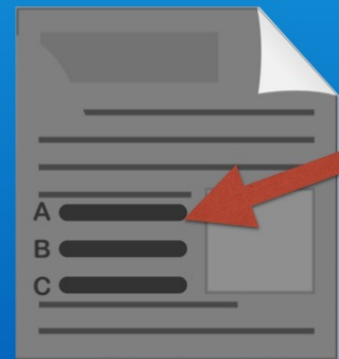
- A. Get a replacement with recommended wattage.
- B. Disconnect the power supply. Turn off at the wall, so that you can safely work on the bulb.
- C. Wait until bulb is cool to touch.
- D. Wear safety gloves. Bulbs can break and some are toxic.
- E. Unscrew the old bulb.

List breaking content such as advertising

- F. Screw in the replacement bulb.
- G. Connect the power supply.
- H. Dispose old bulb safely.
 - Follow any manufacturer recommendations.
 - Obey local laws.
 - Keep out of reach of children.

How to Change a Light Bulb

- A. Get a replacement with recommended wattage.
- B. Disconnect the power supply. Turn off at the wall, so that you can safely work on the bulb.
- C. Wait until bulb is cool to touch.
- D. Wear safety gloves. Bulbs can break and some are toxic.
- E. Unscrew the old bulb.
- F. Screw in the replacement bulb.
- G. Connect the power supply.
- H. Dispose old bulb safely.
 - Follow any manufacturer recommendations.
 - Obey local laws.
 - Keep out of reach of children.



And there is the case of a numbered list transcending multiple web pages.

Summary

- * Understand the type attribute
- * Understand the start attribute
- * View and test with web browser

```
<ol>  
  <li></li>  
  <li></li>  
  <li></li>  
</ol>
```

```
<ol start="4">  
  <li></li>  
  <li></li>  
  <li></li>  
</ol>
```

```
<ol start="8">  
  <li></li>  
  <li></li>  
  <li></li>  
</ol>
```

We handle these needs easily using the HTML start attribute.

Summary

How to Change a Light Bulb

- I. Get a replacement with recommended wattage.
- II. Disconnect the power supply. Turn off at the wall, socket or lamp.
- III. Wait until bulb is cool to touch.
- IV. Wear safety gloves. Bulbs can break and some are toxic if they do break.
- V. Unscrew the old bulb.
- VI. Screw in the replacement bulb.
- VII. Connect the power supply.
- VIII. Dispose old bulb safely.
 - o Follow any manufacture recommendations.
 - o Obey local laws.
 - o Keep out of reach of children.

ol 1264px × 198px

Q [Elements] Network Sources Timeline Profiles Resources Audits Console

```
<!DOCTYPE html>
<!-- How to Change a Light Bulb | Lon Hosford | www.lonhosford.com -->
<html>
<head>...</head>
<body>
<h1>How to Change a Light Bulb</h1>
<ol type="I">
<li>Get a replacement with recommended wattage.
</li>
<li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
<li>Wait until bulb is cool to touch</li>
<li>Wear safety gloves. Bulbs can break and some are toxic if they do break.</li>
<li>Unscrew the old bulb.</li>
<li>Screw in the replacement bulb.</li>
<li>Connect the power supply.</li>
</ol>
</body>
</html>
```

html body ol

✳ Understand the type attribute

✳ Understand the start attribute

✳ View and test with web browser

- I. Get a replacement with recommended wattage.
- II. Disconnect the power supply. Turn off at the wall, socket or lamp.
- III. Wait until bulb is cool to touch.
- IV. Wear safety gloves. Bulbs can break and some are toxic if they do break.
- V. Unscrew the old bulb.
- VI. Screw in the replacement bulb.
- VII. Connect the power supply.
- VIII. Dispose old bulb safely.
 - o Follow any manufacture recommendations.
 - o Obey local laws.
 - o Keep out of reach of children.

list-style-type:decimal

Q [Elements] Network Sources Timeline Profiles Resources Audits Console

```
<!DOCTYPE html>
<!-- How to Change a Light Bulb | Lon Hosford | www.lonhosford.com -->
<html>
<head>...</head>
<body>
<h1>How to Change a Light Bulb</h1>
<ol type="I">
<li>Get a replacement with recommended wattage.
</li>
<li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
<li>Wait until bulb is cool to touch</li>
<li>Wear safety gloves. Bulbs can break and some are toxic if they do break.</li>
<li>Unscrew the old bulb.</li>
<li>Screw in the replacement bulb.</li>
<li>Connect the power supply.</li>
</ol>
</body>
</html>
```

list-style-type:decimal

```
Styles | Computed | Event Listeners | DOM Breakpo
element.style {
}
ol[Attributes Style] {
list-style-type: upper-roman;
}
ol {
display: block;
list-style-type: decimal;
-webkit-margin-before: 1em;
-webkit-margin-after: 1em;
-webkit-margin-start: 0px;
-webkit-margin-end: 0px;
-webkit-padding-start: 40px;
}
```

Lastly we looked into how the HTML type attribute is interpreted by the web browser using the CSS styles inspection panel.

Summary

How to Change a Light Bulb

- I. Get a replacement with recommended wattage.
- II. Disconnect the power supply. Turn off at the wall, socket or lamp.
- III. Wait until bulb is cool to touch.
- IV. Wear safety gloves. Bulbs can break and some are toxic if they do break.
- V. Unscrew the old bulb.
- VI. Screw in the replacement bulb.
- VII. Connect the power supply.
- VIII. Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.

ol 1264px × 198px

Q [Elements] Network Sources Timeline Profiles Resource Audits Console

```
<!DOCTYPE html>
<!-- How to Change a Light Bulb | Lon Hosford | www.lonhosford.com -->
<html>
  <head>...</head>
  <body>
    <h1>How to Change a Light Bulb</h1>
    <ol type="I">
      <li>Get a replacement with recommended wattage.
      </li>
      <li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
      <li>Wait until bulb is cool to touch</li>
      <li>Wear safety gloves. Bulbs can break and some are toxic if they do break.</li>
      <li>Unscrew the old bulb.</li>
      <li>Screw in the replacement bulb.</li>
      <li>Connect the power supply.</li>
    </ol>
  </body>
</html>
```

✳ Understand the type attribute

✳ Understand the start attribute

✳ View and test

How to Change a Light Bulb

- I. Get a replacement with recommended wattage.
- II. Disconnect the power supply. Turn off at the wall, socket or lamp.
- III. Wait until bulb is cool to touch.
- IV. Wear safety gloves. Bulbs can break and some are toxic if they do break.
- V. Unscrew the old bulb.
- VI. Screw in the replacement bulb.
- VII. Connect the power supply.
- VIII. Dispose old bulb safely.
 - Follow any manufacture recommendations.
 - Obey local laws.
 - Keep out of reach of children.

Q [Elements] Network Sources Timeline Profiles Resources Audits Console

```
<!DOCTYPE html>
<!-- How to Change a Light Bulb | Lon Hosford | www.lonhosford.com -->
<html>
  <head>...</head>
  <body>
    <h1>How to Change a Light Bulb</h1>
    <ol type="I">
      <li>Get a replacement with recommended wattage.
      </li>
      <li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
      <li>Wait until bulb is cool to touch</li>
      <li>Wear safety gloves. Bulbs can break and some are toxic if they do break.</li>
      <li>Unscrew the old bulb.</li>
      <li>Screw in the replacement bulb.</li>
      <li>Connect the power supply.</li>
    </ol>
  </body>
</html>
```

list-style-type:decimal

list-style-type:decimal

```
Style | Computed | Event Listeners | DOM Breakpoint
element.style {
}
ol[Attributes Style] {
  list-style-type: upper-roman;
}
ol {
  display: block;
  list-style-type: decimal;
  -webkit-margin-before: 1em;
  -webkit-margin-after: 1em;
  -webkit-margin-start: 0px;
  -webkit-margin-end: 0px;
  -webkit-padding-start: 40px;
}
```

The type attribute overrides the list-style-type property that is inherited from style sheets. In this case the web browser's style sheet.

Summary

How to Change a Light Bulb

- I. Get a replacement with recommended wattage.
- II. Disconnect the power supply. Turn off at the wall, socket or lamp
- III. Wait until bulb is cool to touch
- IV. Wear safety gloves. Bulbs can break and some are toxic if they do break.
- V. Unscrew the old bulb.
- VI. Screw in the replacement bulb.
- VII. Connect the power supply.
- VIII. Dispose old bulb safely.
 - o Follow any manufacture recommendations.
 - o Obey local laws.
 - o Keep out of reach of children.

ol 1264px x 198px

Q Elements Network Sources Timeline Profiles Resources Audits Console

```
<!DOCTYPE html>
<!-- How to Change a Light Bulb | Lon Hosford | www.lonhosford.com-->
<html>
<head>...</head>
<body>
<h1>How to Change a Light Bulb</h1>
<ol type="I">
<li>Get a replacement with recommended wattage.
</li>
<li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
<li>Wait until bulb is cool to touch</li>
<li>Wear safety gloves. Bulbs can break and some are toxic if they do break.</li>
<li>Unscrew the old bulb.</li>
<li>Screw in the replacement bulb.</li>
<li>Connect the power supply.</li>
</ol>
</body>
</html>
```

html body ol

and the type attribute

and the start attribute

test with web browser

- I. Get a replacement with recommended wattage.
- II. Disconnect the power supply. Turn off at the wall, socket or lamp
- III. Wait until bulb is cool to touch
- IV. Wear safety gloves. Bulbs can break and some are toxic if they do break.
- V. Unscrew the old bulb.
- VI. Screw in the replacement bulb.
- VII. Connect the power supply.
- VIII. Dispose old bulb safely.
 - o Follow any manufacture recommendations.
 - o Obey local laws.
 - o Keep out of reach of children.

list-style-type:decimal

Q Elements Network Sources Timeline Profiles Resources Audits Console

```
<!DOCTYPE html>
<!-- How to Change a Light Bulb | Lon Hosford | www.lonhosford.com-->
<html>
<head>...</head>
<body>
<h1>How to Change a Light Bulb</h1>
<ol type="I">
<li>Get a replacement with recommended wattage.
</li>
<li>Disconnect the power supply. Turn off at the wall, socket or lamp</li>
<li>Wait until bulb is cool to touch</li>
<li>Wear safety gloves. Bulbs can break and some are toxic if they do break.</li>
<li>Unscrew the old bulb.</li>
<li>Screw in the replacement bulb.</li>
<li>Connect the power supply.</li>
</ol>
</body>
</html>
```

list-style-type:decimal

```
Styles Computed Event Listeners DOM Breakpo
element.style {
}
ol[Attributes Style] {
list-style-type: upper-roman;
}
ol {
display: block;
list-style-type: decimal;
-webkit-margin-before: 1em;
-webkit-margin-after: 1em;
-webkit-margin-start: 0px;
-webkit-margin-end: 0px;
-webkit-padding-start: 40px;
}
```

Regardless of the format of the number, it is right justified in the left padding of the ol element.

Challenge

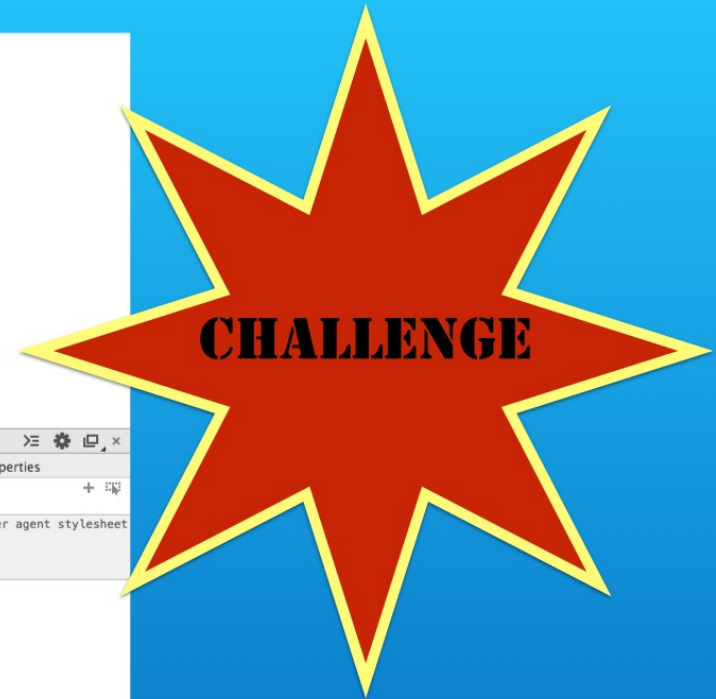
Top 10 Dog Breeds 2013

10. Dachshund
9. Rottweiler
8. Poodle
7. Boxer
6. Yorkshire Terrier
5. Bulldog

List breaking content such as advertising or continuing on a new web page.

4. Beagle
3. Golden Retriever
2. German Shepherd
1. Labrador Retriever

Source: [Veterinary Pet Insurance Company](#)



bonus folder

top_10_dog_breeds_reversed.html



practice folder

Now for a challenge. Modify the top 10 dog breeds list to have a break after the bulldog list item. Your results should match the example on this page. Good luck.

Using the Ordered List HTML Attributes

With Lon Hosford

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This is a Visual Step by Step Workbook and voice transcript for accompanying video for this portion of the course.