

HTML Lists

HTML lists allow web developers to group a set of related items in lists.

Example:

1.An unordered HTML list:

- Item1
- Item2
- Item3
- Item4

2.An ordered HTML list:

1. First item
2. Second item
3. Third item
4. Fourth item

1.Unordered HTML List

1. An unordered list starts with the **** tag. Each list item starts with the **** tag. The list items will be marked with bullets (small black circles) by default.

Input:

```
<!DOCTYPE html>

<html>

<body>

<h2>An unordered HTML list</h2>

<ul>

  <li>Coffee</li>

  <li>Tea</li>

  <li>Milk</li>

</ul>

</body>

</html>
```

Output:

An unordered HTML list

- Coffee
- Tea
- Milk

2. Ordered HTML List

An ordered list starts with the `` tag. Each list item starts with the `` tag. The list items will be marked with numbers by default.

Input:

```
<!DOCTYPE html>

<html>

<body>

<h2>An ordered HTML list</h2>

<ol>

  <li>Coffee</li>

  <li>Tea</li>

  <li>Milk</li>

</ol>

</body>

</html>
```

Output:

An ordered HTML list

1. Coffee
2. Tea
3. Milk

HTML Description Lists

HTML also supports description lists. A description list is a list of terms, with a description of each term. The **<dl>** tag defines the description list, the **<dt>** tag defines the term (name), and the **<dd>** tag describes each term.

Input:

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>A Description List</h2>
```

```
<dl>
```

```
  <dt>Coffee</dt>
```

```
  <dd>- black hot drink</dd>
```

```
  <dt>Milk</dt>
```

```
  <dd>- white cold drink</dd>
```

```
</dl>
```

```
</body>
```

```
</html>
```

Output:

A Description List

Coffee

- black hot drink

Milk

- white cold drink

Unordered HTML List - Choose List Item Marker

The CSS **list-style-type** property is used to define the style of the list item marker. It can have one of the following values.

<u>Value</u>	<u>Description</u>
disc	Sets the list item marker to a bullet (default)
circle	Sets the list item marker to a circle
square	Sets the list item marker to a square
none	The list items will not be marked

Example for Disc

Input:

```
<!DOCTYPE html>

<html>

<body>

<h2>Unordered List with Disc Bullets</h2>

<ul style="list-style-type: disc;">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ul>

</body>

</html>
```

Output:

```
<!DOCTYPE html>

<html>

<body>

<h2>Unordered List with Disc Bullets</h2>
```

```
<ul style="list-style-type: disc;">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ul>
</body>
</html>
```

Output:

Unordered List with Disc Bullets

- Coffee
- Tea
- Milk

Example - Circle

```
<!DOCTYPE html>
<html>
<body>
<h2>Unordered List with Circle Bullets</h2>
<ul style="list-style-type: circle;">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ul>
</body>
</html>
```

Output:

Unordered List with Circle Bullets

- Coffee
- Tea
- Milk

Example - Square

```
<!DOCTYPE html>
<html>
<body>
<h2>Unordered List with Square Bullets</h2>
<ul style="list-style-type: square;">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ul>
</body>
</html>
```

Output:

Unordered List with Square Bullets

- Coffee
- Tea
- Milk

Nested HTML Lists

Lists can be nested (list inside list).

Input:

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>A Nested List</h2>
```

```
<p>Lists can be nested (list inside list) </p>
```

```
<ul>
```

```
  <li>Coffee</li>
```

```
  <li>Tea
```

```
    <ul>
```

```
      <li>Black tea</li>
```

```
      <li>Green tea</li>
```

```
    </ul>
```

```
  </li>
```

```
  <li>Milk</li>
```

```
</ul>
```

```
</body>
```

```
</html>
```

Output:

A Nested List

Lists can be nested (list inside list)

- Coffee
- Tea
 - Black tea
 - Green tea
- Milk

Note: A list item `` can contain a new list, and other HTML elements, like images and links, etc.

Horizontal List with CSS

HTML lists can be styled in many different ways with CSS. One popular way is to style a list **horizontally**, to create a **navigation menu**.

Input:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
ul {
```

```
    list-style-type: none;
```

```
    margin: 0;
```

```
    padding: 0;
```

```
    overflow: hidden;
```

```
background-color: #333333;  
}
```

```
li {  
  float: left;  
}
```

```
li a {  
  display: block;  
  color: white;  
  text-align: center;  
  padding: 16px;  
  text-decoration: none;  
}
```

```
li a: hover {  
  background-color: #111111;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h2>Navigation Menu</h2>
```

```
<p>In this example, we use CSS to style the list horizontally, to create  
a navigation menu. </p>
```

```
<ul>
```

```
  <li><a href="#home">HOME</a></li>
```

```
<li><a href="#news">NEWS</a></li>
<li><a href="#contact">CONTACT</a></li>
<li><a href="#about">ABOUT</a></li>
</ul>
</body>
</html>
```

Output:

Navigation Menu

In this example, we use CSS to style the list horizontally, to create a navigation menu.



```
HOME NEWS CONTACT ABOUT
```

HTML Ordered Lists

The HTML **** tag defines an ordered list. An ordered list can be numerical or alphabetical. An ordered list starts with the **** tag. Each list item starts with the **** tag. The list items will be marked with numbers by default.

Input:

```
<!DOCTYPE html>
<html>
<body>
<h2>An ordered HTML list</h2>
```

```
<ol>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>
</body>
</html>
```

Output:

An ordered HTML list

1. Coffee
2. Tea
3. Milk

Ordered HTML List - The Type Attribute

The type attribute of the `` tag, defines the type of the list item marker.

Type	Description
<code>type="1"</code>	The list items will be numbered with numbers (default)
<code>type="A"</code>	The list items will be numbered with uppercase letters

type="a" The list items will be numbered with lowercase letters

type="I" The list items will be numbered with uppercase roman numbers

type="i" The list items will be numbered with lowercase roman numbers

Example – Numbers

Input:

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>Ordered List with Numbers</h2>
```

```
<ol type="1">
```

```
  <li>Coffee</li>
```

```
  <li>Tea</li>
```

```
  <li>Milk</li>
```

```
</ol>
```

```
</body>
```

```
</html>
```

Output:

Ordered List with Numbers

1. Coffee
2. Tea
3. Milk

Example- Uppercase Letters

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>Ordered List with Letters</h2>
```

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

```
<li>Coffee</li>
```

```
<li>Tea</li>
```

```
<li>Milk</li>
```

```
</ol>
```

```
</body>
```

```
</html>
```

Output:

Ordered List with Letters

- A. Coffee
- B. Tea
- C. Milk

Example-Lowercase Letters

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>Ordered List with Lowercase Letters</h2>
```

```
<ol type="a">
```

```
<li>Coffee</li>
```

```
<li>Tea</li>
```

```
<li>Milk</li>
```

```
</ol>
```

```
</body>
```

```
</html>
```

Output:

Ordered List with Lowercase Letters

a. Coffee

b. Tea

c. Milk

Example-Uppercase Roman Numbers

```
<!DOCTYPE html>
<html>
<body>
<h2>Ordered List with Roman Numbers</h2>
<ol type="I">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>
</body>
</html>
```

Output:

Ordered List with Roman Numbers

- I. Coffee
- II. Tea
- III. Milk

Example-Lowercase Roman Numbers

```
<!DOCTYPE html>

<html>

<body>

<h2>Ordered List with Lowercase Roman
Numbers</h2>

<ol type="i">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>

</body>

</html>
```

Output:

Ordered List with Lowercase Roman Numbers

- i. Coffee
- ii. Tea
- iii. Milk

Example-Control List Counting

By default, an ordered list will start counting from 1. If you want to start counting from a specified number, you can use the start attribute

Input:

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>The start attribute</h2>
```

```
<p>By default, an ordered list will start counting from  
1. Use the start attribute to start counting from a  
specified number</p>
```

```
<ol start="50">
```

```
<li>Coffee</li>
```

```
<li>Tea</li>
```

```
<li>Milk</li>
```

```
</ol>
```

```
<ol type="I" start="50">
```

```
<li>Coffee</li>
```

```
<li>Tea</li>
```

```
<li>Milk</li>
```


</body>

</html>

Output:

The start attribute

By default, an ordered list will start counting from 1. Use the start attribute to start counting from a specified number:

50. Coffee

51. Tea

52. Milk

L. Coffee

LI. Tea

LII. Milk