

HTML Lists

HTML (HyperText Markup Language) lists are used to present information in an organized, easy-to-read format. There are three main types of lists in HTML:

1. Unordered Lists ()

Used for items that do not have a specific order. Each item in the list is preceded by a bullet point (typically a dot). The element is used to define the list, and each list item is enclosed within (list item) tags.

Example:

```
<ul>
  <li>Item 1</li>
  <li>Item 2</li>
  <li>Item 3</li>
</ul>
```

Rendered as:

- Item 1
- Item 2
- Item 3

2. Ordered Lists ()

Used for items that follow a specific sequence. Each item in the list is numbered. The element is used to define the list, and each list item is enclosed within tags. You can change the numbering style using the type attribute (1, a, A, i, I).

Example:

```
<ol>
  <li>First item</li>
  <li>Second item</li>
  <li>Third item</li>
</ol>
```

Rendered as:

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

3. Definition Lists (<dl>)

Used for presenting definitions or descriptions. Consists of terms (<dt>) and descriptions (<dd>). The <dl> element is used to define the list.

Example:

```
<dl>
  <dt>HTML</dt>
  <dd>HyperText Markup Language</dd>
  <dt>CSS</dt>
  <dd>Cascading Style Sheets</dd>
</dl>
```

Rendered as:

HTML
: HyperText Markup Language
CSS
: Cascading Style Sheets

Attributes for Lists

Reversed (for): Displays the list items in reverse order.

```
<ol reversed>
  <li>Third item</li>
  <li>Second item</li>
  <li>First item</li>
</ol>
```

Start (for): Specifies the starting number for the list.

```
<ol start="5">
  <li>Item 5</li>
  <li>Item 6</li>
  <li>Item 7</li>
</ol>
```

Type (for): Specifies the type of numbering.

```
<ol type="A">
  <li>First item</li>
  <li>Second item</li>
  <li>Third item</li>
</ol>
```

Nesting Lists

Lists can be nested inside each other to create sub-lists.

Example:

```
<ul>
  <li>Item 1
    <ul>
      <li>Sub-item 1</li>
      <li>Sub-item 2</li>
    </ul>
  </li>
  <li>Item 2</li>
</ul>
```

Rendered as:

- Item 1
 - Sub-item 1
 - Sub-item 2
- Item 2

Styling Lists

Lists can be styled using CSS to change the appearance of the bullets or numbers.

Example:

```
<style>
ul.custom-bullets {
  list-style-type: square;
}
ol.custom-numbers {
  list-style-type: lower-roman;
}
```

```
}  
</style>  
<ul class="custom-bullets">  
  <li>Item 1</li>  
  <li>Item 2</li>  
</ul>  
<ol class="custom-numbers">  
  <li>First item</li>  
  <li>Second item</li>  
</ol>
```

Rendered as:

- Item 1
 - Item 2
- i. First item
 - ii. Second item