COURSEWARE

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Lists

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Overview

In HTML, we can use **lists** to store display information. These lists fall into three broad types: **Unordered**, **ordered** and **description** lists.

Unordered lists

Undordered lists use the `<ul>` and `</ul>` tags. Every list item is then contained in this element using the `<li>` and `</li>` tags.

```
<ul>
    <li>List item 1</li>
    <li>List item 2</li>
</ul>
```

This yields the following:

```
- List item 1
- List item 2
```

We can also add stylistic customisation to these lists. For instance, rather than using the default bullet points, the below example replaces bullets with circles:

```
<h1>Shopping list</h1>
<ul style="list-style-type: circle;">
    <li>Cup</li>
    <li>Tea bag</li>
    <li>Hot water</li>
    <li>Milk</li>
</ul>
```

Some of the other options we have are below:

Value	Description
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

Nested lists

Lists can be nested by simply including them within the scope of another list. Here, we nest one unordered list inside another:

```html
<ul>
  <li>Coffee</li>
  <li>Tea
    <ul>
      <li>Black tea</li>
      <li>Green tea</li>
    </ul>
  </li>
  <li>Milk</li>
</ul>
```

This yields the following:

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

Ordered list

Ordered lists use the `<ol>` and `</ol>` tags, with every list item contained in this element using the `<li>` and `</li>` tags.

Ordered lists are simply numbered lists, starting from 1 and incrementing until there are no more list items left.

```html
<ol>
    <li>Cup</li>
    <li>Tea bag</li>
    <li>Hot water</li>
    <li>Milk</li>
</ol>
```

This yields the following:

```
1. Cup
2. Tea bag
3. Hot water
4. Milk
```

Ordered lists can take the `start` attribute to set the number at which the order begins:

```html
<ol start=5>
  <li> Coffee </li>
  <li> Tea </li>
  <li> Water </li>
</ol>
```

This yields the following:

```
5. Coffee
6. Tea
7. Water
```

We can also use the `type` attribute, which can allow us to customise the ordered list further. Here, we order the list by capital letters:

```html
<ol type="A">
  <li> Coffee </li>
  <li> Tea </li>
  <li> Water </li>
</ol>
```

```
A. Coffee
B. Tea
C. Water
```

`type` can be assigned several predefined ordering styles:

Type	Description
type="1"	The list items will be numbered with numbers (default)
type="A"	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

Description lists

HTML also supports **description lists**, which give the ability to describe individual list items.

We use `<dl>` to define the description list, `<dt>` to define the term name, and `<dd>` to describe each term:

```
<dl>
    <dt>Coffee</dt>
    <dd>- Black hot drink</dd>
    <dt>Milk</dt>
    <dd>- White cold drink</dd>
</dl>
```

The above yields the following:

```
Coffee
- Black hot drink

Tea
- White cold drink
```

Tutorial

There is no tutorial for this module.

Exercises

1. Create a ordered list with the following:

- Audi
- BMW
- Mercedes
- Ford

▼ Solution

```
<!DOCTYPE html> <!-- HTML5 Document Type Definition -->
<html>
<head>
    <title>HTML</title>
</head>

<body>
    <h1>Ordered list:</h1>
    <ol>
    <li>Audi</li>
    <li>BMW</li>
    <li>Mercedes</li>
    <li>Ford</li>
    </ol>
</body>
</html>
```