COURSEWARE

Lists

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Overview

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

Tutorial

Unordered lists

```html
<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 some stylistic customisation for instance, rather than using the default bullet points - the below example replaces bullets with circles:

```html
<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:

```
<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

Order lists are numbered lists, starting from 1, and incrementing until there are no more `<li>` list items left:

```
<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:

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

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:

```
<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

Exercises

1. Create a ordered list with the following:

- Audi
- BMW
- Mercedes
- Ford

▶ Solution