HTML

HyperText Markup Language (Week 5)

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HTML LISTS

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

WORKING WITH HTML LISTS

HTML lists are used to present list of information in well formed and semantic way. There are three different types of list in HTML and each one has a specific purpose and meaning.
1. Unordered list — Used to create a list of related items, in no particular order.
2. Ordered list — Used to create a list of related items, in a specific order.
3. Description list — Used to create a list of terms and their descriptions.

Note: Inside a list item you can put text, images, links, line breaks, etc. You can also place an entire list inside a list item to create the nested list.

HTML UNORDERED LISTS

An unordered list created using the <ul> element, and each list item starts with the <li> element.

The list items in unordered lists are marked with bullets. Here's an example with the result:

```
<ul>
    <li>Chocolate Cake</li>
    <li>Black Forest Cake</li>
    <li>Pineapple Cake</li>
</ul>
```

Full code with results:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>HTML Unordered List</title>
</head>
<body>
    <h2>HTML Unordered List</h2>
    <ul>
        <li>Chocolate Cake</li>
        <li>Black Forest Cake</li>
        <li>Pineapple Cake</li>
    </ul>
    <hr>
    <h2>HTML Nested Unordered List</h2>
    <ul>
        <li>Chocolate Cake
            <ul>
                <li>Chocolate Velvet Cake</li>
                <li>Chocolate Lava Cake</li>
            </ul>
        </li>
        <li>Black Forest Cake</li>
        <li>Pineapple Cake</li>
    </ul>
</body>
</html>
```

HTML Unordered List

- Chocolate Cake
- Black Forest Cake
- Pineapple Cake

HTML Nested Unordered List

- Chocolate Cake
  - Chocolate Velvet Cake
  - Chocolate Lava Cake
- Black Forest Cake
- Pineapple Cake

You can also change the bullet type in your unordered list using the CSS list-style-type property. The following style rule changes the type of bullet from the default disc to square:

```css
ul {
    list-style-type: square;
}
```

Full code with results:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Change Bullet Type in an HTML Unordered List Using CSS</title>
    <style>
        ul {
            list-style-type: square;
        }
    </style>
</head>
<body>
    <ul>
        <li>Chocolate Cake</li>
        <li>Black Forest Cake</li>
        <li>Pineapple Cake</li>
    </ul>
</body>
</html>
```

- Chocolate Cake
- Black Forest Cake
- Pineapple Cake

HTML ORDERED LISTS

An ordered list created using the <ol> element, and each list item starts with the <li> element. Ordered lists are used when the order of the list's items is important.

The list items in an ordered list are marked with numbers. Here's an example:

```html
<ol>
    <li>Fasten your seatbelt</li>
    <li>Starts the car's engine</li>
    <li>Look around and go</li>
</ol>
```

Full code with result:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>HTML Ordered List</title>
</head>
<body>
    <h2>HTML Ordered List</h2>
    <ol>
        <li>Fasten your seatbelt</li>
        <li>Starts the car's engine</li>
        <li>Look around and go</li>
    </ol>
    <hr>
    <h2>HTML Nested Ordered List</h2>
    <ol>
        <li>Fasten your seatbelt</li>
        <li>Starts the car's engine</li>
        <li>Look around and go
            <ol>
                <li>Check the blind spot</li>
                <li>Check surrounding for safety</li>
            </ol>
        </li>
    </ol>
</body>
</html>
```

HTML Ordered List

1. Fasten your seatbelt
2. Starts the car's engine
3. Look around and go

HTML Nested Ordered List

1. Fasten your seatbelt
2. Starts the car's engine
3. Look around and go
    1. Check the blind spot
    2. Check surrounding for safety

The numbering of items in an ordered list typically starts with 1. However, if you want to change that you can use the start attribute, as shown in the following example:

```html
<ol start="10">
    <li>Mix ingredients</li>
    <li>Bake in oven for an hour</li>
    <li>Allow to stand for ten minutes</li>
</ol>
```

Full code with result:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Change Start Number in an HTML Ordered List Using CSS</title>
</head>
<body>
    <ol start="10">
        <li>Mix ingredients</li>
        <li>Bake in oven for an hour</li>
        <li>Allow to stand for ten minutes</li>
    </ol>
</body>
</html>
```

10. Mix ingredients
11. Bake in oven for an hour
12. Allow to stand for ten minutes

Like unordered list, you can also use the CSS list-style-type property to change the numbering type in an ordered list. The following style rule changes the marker type to roman numbers.

```css
ol {
    list-style-type: upper-roman;
}
```

Full code with result:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Change Numbering Type in an HTML Unordered List Using CSS</title>
    <style>
        ol {
            list-style-type: upper-roman;
        }
    </style>
</head>
<body>
    <ol>
        <li>Fasten your seatbelt</li>
        <li>Starts the car's engine</li>
        <li>Look around and go</li>
    </ol>
</body>
</html>
```

I. Fasten your seatbelt
II. Starts the car's engine
III. Look around and go

HTML DESCRIPTION LISTS

A description list is a list of items with a description or definition of each item.

The description list is created using <dl> element. The <dl> element is used in conjunction with the <dt> element which specify a term, and the <dd> element which specify the term's definition.

Browsers usually render the definition lists by placing the terms and definitions in separate lines, where the term's definitions are slightly indented. Here's an example:

```html
<dl>
    <dt>Bread</dt>
    <dd>A baked food made of flour.</dd>
    <dt>Coffee</dt>
    <dd>A drink made from roasted coffee beans.</dd>
</dl>
```

Full code with result:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>HTML Description or Definition List</title>
</head>
<body>
    <h2>HTML Definition List</h2>
    <dl>
        <dt>Bread</dt>
        <dd>A baked food made of flour.</dd>
        <dt>Coffee</dt>
        <dd>A drink made from roasted coffee beans.</dd>
    </dl>
</body>
</html>
```

HTML Definition List

Bread
    A baked food made of flour.
Coffee
    A drink made from roasted coffee beans.

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