**Programming Class 4**

**HTML And CSS**

**HTML Lists**

**Unordered Lists <ul>**

An unordered list is a list of items that have no particular order or sequence. We use the <ul> tag in HTML to create an unordered list.

Syntax:

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

Explanation:

* **<ul>**: This is the opening tag of the unordered list.
* **<li>**: Stands for list item. Each item in the list should be wrapped in this tag.

Example:

**<ul> <li>Apples</li> <li>Bananas</li> <li>Oranges</li> </ul>**

Output:

* Apples
* Bananas
* Oranges

**Ordered Lists <ol>**

An ordered list is a list of items that follow a specific order or sequence. We use the <ol> tag in HTML to create an ordered list.

Syntax:

**<ol> <li>Item 1</li> <li>Item 2</li> <li>Item 3</li> </ol>**

Explanation:

* **<ol>**: This is the opening tag of the ordered list.
* **<li>**: Stands for list item. Each item in the list should be wrapped in this tag.

Example:

**<ol> <li>Red</li> <li>Green</li> <li>Blue</li> </ol>**

Output:

1. Red
2. Green
3. Blue

**Nested Lists**

You can also create nested lists, which means having lists inside other lists (both ordered and unordered).

Syntax:

**<ul> <li>Main Item 1</li> <li>Main Item 2 <ul> <li>Nested Item 1</li> <li>Nested Item 2</li> </ul> </li> <li>Main Item 3</li> </ul>**

Or

**<ol> <li>Main Item 1</li> <li>Main Item 2 <ol> <li>Nested Item 1</li> <li>Nested Item 2</li> </ol> </li> <li>Main Item 3</li> </ol>**

Example:

**<ul> <li>Animals</li> <li>Fruits <ul> <li>Apple</li> <li>Banana</li> </ul> </li> <li>Countries</li> </ul>**

Output:

* Animals
* Fruits
  + Apple
  + Banana
* Countries

**Additional Notes**

* Lists help organize and structure content on a webpage.
* Always use the appropriate list type (**<ul>** or **<ol>**) depending on the type of list you want to create.
* List items (**<li>**) should always be placed within an unordered or ordered list.