

**TOPIC:** HTML LIST

**COURSE INSTRUCTOR:** ABDULLAH MAHMOOD

# HTML LIST

## HTML Lists – Complete Guide

### 1. Introduction to Lists in HTML

In HTML, **lists** are used to organize and structure content in a hierarchical manner. Lists help in presenting information clearly, such as menus, steps in a process, or grouping similar items.

There are **three main types** of lists in HTML:

1. **Ordered Lists** (<ol>) – Items are numbered.
2. **Unordered Lists** (<ul>) – Items have bullet points.

**Description Lists** (<dl>) – Used for definitions or key-value pairs

### 2. Ordered List (<ol>)

An **ordered list** is a list where the items are **numbered** (1, 2, 3, ...) by default. It is used when the order of the items is important, such as step-by-step instructions.

#### Syntax of <ol>

```
html

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

#### Output:

1. Item 1
2. Item 2
3. Item 3

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### Changing List Numbering Style ( `type` Attribute)

You can change the numbering style using the `type` attribute:

Type	Description
<code>1</code>	Default numbering (1, 2, 3...)
<code>A</code>	Uppercase letters (A, B, C...)
<code>a</code>	Lowercase letters (a, b, c...)
<code>I</code>	Roman numerals (I, II, III...)
<code>i</code>	Lowercase Roman numerals (i, ii, iii...)

### Example Code:

```
html

<ol type="A">
  <li>Apple</li>
  <li>Banana</li>
  <li>Cherry</li>
</ol>
```

### Output:

- A. Apple
- B. Banana
- C. Cherry

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### Starting from a Custom Number ( `start` Attribute)

```
html

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

#### Output:

5. Item 5
6. Item 6
7. Item 7

## 3. Unordered List (<ul>)

An unordered list is a list where the items are not numbered. Instead, they use bullet points by default.

### Syntax of `<ul>`

```
html

<ul>
  <li>Item A</li>
  <li>Item B</li>
  <li>Item C</li>
</ul>
```

#### Output:

- Item A
- Item B
- Item C

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## Changing Bullet Style ( `type` Attribute)

Type	Description
<code>disc</code>	Default bullet (•)
<code>circle</code>	Hollow circle (○)
<code>square</code>	Square bullets (■)

### Example Code:

```
html

<ul type="square">
  <li>Tea</li>
  <li>Coffee</li>
  <li>Juice</li>
</ul>
```

## 4. Description List (<dl>)

A **description list** is used to define terms and their descriptions. It consists of:

- `<dl>`: Defines a description list.
- `<dt>`: Defines the term.

**`<dd>`: Provides the description of the term.**

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### Syntax of <dl>

```
html

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

### Output:

HTML

HyperText Markup Language

CSS

Cascading Style Sheets

## Conclusion

- **Ordered lists** (<ol>) are used when order matters (e.g., steps in a process).
- **Unordered lists** (<ul>) are used when order doesn't matter (e.g., a list of items).
- **Description lists** (<dl>) define terms with descriptions.

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