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HTML Lists

Difficulty Level : Easy • Last Updated : 25 May, 2022

In this article, we will know the **HTML List**, along with understanding its types, and various ways to implement them, through the example.

A list is a record of short pieces of related information or used to display the data or any information on web pages in the ordered or unordered form. For instance, to purchase the items, we need to prepare a list that can either be ordered or unordered list which helps us to organize the data & easy to find the item. Please refer to the [HTML type Attribute](#) article for the various types of attributes that can be used with the ordered & unordered list.

Example: The below example illustrates the use of the unordered & ordered list in HTML.

HTML

```
<!DOCTYPE html>
<html>

<head>
  <title>GeeksforGeeks</title>
</head>

<body>
  <h2>Welcome To GeeksforGeeks Learning</h2>
  <h5>List of available courses</h5>
  <ul>
    <li>Data Structures & Algorithm</li>
    <li>Web Technology</li>
    <li>Aptitude & Logical Reasoning</li>
    <li>Programming Languages</li>
  </ul>
  <h5>Data Structures topics</h5>
```



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```
</li>Queues</li>
<li>Trees</li>
<li>Graphs</li>
</ol>
</body>

</html>
```

Output:

Welcome To GeeksforGeeks Learning

List of available courses

- Data Structures & Algorithm
- Web Technology
- Aptitude & Logical Reasoning
- Programming Languages

Data Structures topics

1. Array
2. Linked List
3. Stacks
4. Queues
5. Trees
6. Graphs

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- [HTML Tag](#)
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The HTML Unordered List: An unordered list starts with the “ul” tag. Each list item starts with the “li” tag. The list items are marked with bullets i.e small black circles by default.

Syntax:

```
<ul> list of items </ul>
```

Attribute: This tag contains two attributes which are listed below:

- **compact:** It will render the list smaller.
- **type:** It specifies which kind of marker is used in the list.

Note: The attributes are not supported by HTML5.

Example: This example describes the unordered list.

HTML

```
<!DOCTYPE html>
<html>

<body>
  <h2>Grocery list</h2>
  <ul>
    <li>Bread</li>
    <li>Eggs</li>
    <li>Milk</li>
    <li>Coffee</li>
  </ul>
</body>

</html>
```

Output:

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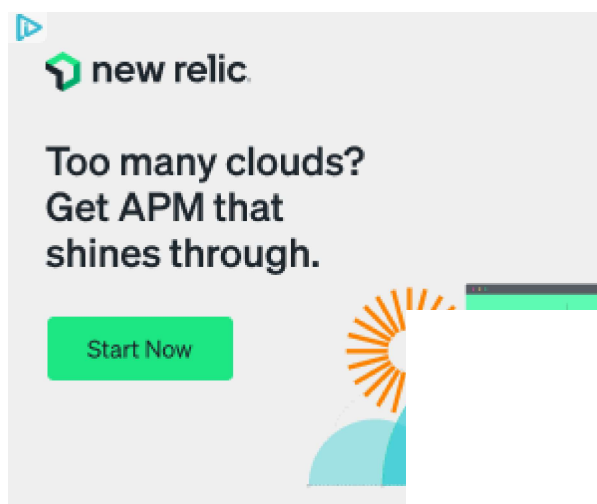
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- Milk
- Coffee

Unordered List

HTML unordered list has various list item markers:

Example 1: The Disc can be used to set the list item marker to a bullet i.e default.



HTML

```
<!DOCTYPE html>
<html>

<head>
  <title>HTML ul tag</title>
</head>

<body>
  <h1>GeeksforGeeks</h1>
  <h2>Unordered List with Disc Bullets</h2>

  <p>GeeksforGeeks courses List:</p>

  <ul style="list-style-type: disc">
    <li>Geeks</li>
    <li>Sudo</li>
    <li>Gfg</li>
    <li>Gate</li>
```

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Output:

GeeksforGeeks

Unordered List with Disc Bullets

GeeksforGeeks courses List:

- Geeks
- Sudo
- Gfg
- Gate
- Placement

Unordered List with disc item maker

Example 2: The Circle can be used to set the list item marker to a circle.

HTML

```
<!DOCTYPE html>
<html>

<body>
  <h1>GeeksforGeeks</h1>
  <h2>Unordered List with Circle Bullets</h2>

  <p>GeeksforGeeks courses List:</p>

  <ul style="list-style-type: circle">
    <li>Geeks</li>
    <li>Sudo</li>
    <li>Gfg</li>
    <li>Gate</li>
    <li>Placement</li>
  </ul>
</body>
</html>
```

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Unordered List with Circle Bullets

GeeksforGeeks courses List:

- Geeks
- Sudo
- Gfg
- Gate
- Placement

Unordered List with circle item maker

Example 3: The Square can be used to set the list item marker to a square.

HTML

```
<!DOCTYPE html>
<html>

<body>
  <h1>GeeksforGeeks</h1>
  <h2>Unordered List with Square Bullets</h2>

  <p>GeeksforGeeks courses List:</p>

  <ul style="list-style-type: square">
    <li>Geeks</li>
    <li>Sudo</li>
    <li>Gfg</li>
    <li>Gate</li>
    <li>Placement</li>
  </ul>
</body>

</html>
```

Output:

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GeeksforGeeks courses List:

- Geeks
- Sudo
- Gfg
- Gate
- Placement

Unordered List with square item maker

Example 4: It's none that can be used to set the list item marker with no mark.

HTML

```
<!DOCTYPE html>
<html>

<body>
  <h1>GeeksforGeeks</h1>
  <h2>Unordered List with No Bullets</h2>

  <p>GeeksforGeeks courses List:</p>

  <ul style="list-style-type: none">
    <li>Geeks</li>
    <li>Sudo</li>
    <li>Gfg</li>
    <li>Gate</li>
    <li>Placement</li>
  </ul>
</body>

</html>
```

Output:



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GeeksforGeeks courses List:

- Geeks
- Sudo
- Gfg
- Gate
- Placement

Unordered List with none item maker

Example: Nested Unordered List, It is used to nest the list items ie., a list inside another list.

HTML

```
<!DOCTYPE html>
<html>

<body>
  <h1>GeeksforGeeks</h1>
  <h2>Nested Unordered List</h2>

  <p>GeeksforGeeks courses List:</p>

  <ul>
    <li>DSA</li>
    <ul>
      <li>Array</li>
      <li>Linked List</li>
      <li>stack</li>
      <li>Queue</li>
    </ul>
    <li>Web Technologies</li>
    <ul>
      <li>HTML</li>
      <li>CSS</li>
      <li>JavaScript</li>
    </ul>
    <li>Aptitude</li>
    <li>Gate</li>
    <li>Placement</li>
  </ul>
```


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Output:

GeeksforGeeks

Nested Unordered List

GeeksforGeeks courses List:

- DSA
 - Array
 - Linked List
 - stack
 - Queue
- Web Technologies
 - HTML
 - CSS
 - JavaScript
- Aptitude
- Gate
- Placement

Nested Unordered List

HTML Ordered List: An ordered list starts with the "ol" tag. Each list item starts with the "li" tag. The list items are marked with numbers by default.

Syntax:

```
<ol>
  <li>Item1</li>
  <li>Item2</li>
  <li>Item3</li>
</ol>
```

Attributes:

compact: It defines the list should be compacted (compact attribute is not supported in HTML5. Use CSS instead.).

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numeric, alphabetic, or roman numbers.

Example: This example illustrates the use of the reverse attribute, control list counting & type attribute.

HTML

```
<!DOCTYPE html>
<html>

<head>
  <title>HTML ol tag</title>
</head>

<body>
  <h1 style="color: green">GeeksforGeeks</h1>
  <h3>HTML ol tag</h3>

  <p>reversed attribute</p>
```

```
  <ol reversed>
    <li>HTML</li>
    <li>CSS</li>
    <li>JS</li>
  </ol>
```

```
<p>start attribute</p>
```

```
  <ol start="5">
    <li>HTML</li>
    <li>CSS</li>
    <li>JS</li>
  </ol>
```

```
<p>type attribute</p>
```

```
  <ol type="i">
    <li>HTML</li>
    <li>CSS</li>
```

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Output:

GeeksforGeeks

HTML tag

reversed attribute

3. HTML
2. CSS
1. JS

start attribute

5. HTML
6. CSS
7. JS

type attribute

- i. HTML
- ii. CSS
- iii. JS

Ordered List with different list style

HTML ordered list has various list item markers: The type attribute of the tag defines the type of the list item marker.

Example 1: The list items will be numbered with numbers i.e default.

HTML

```
<!DOCTYPE html>
<html>

<body>
  <h2>Ordered List with Numbers</h2>
  <ol type="1">
    <li>Bread</li>
    <li>Eggs</li>
```

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```
</html>
```

Output:

Ordered List with Numbers

1. Bread
2. Eggs
3. Milk
4. Coffee

Ordered List with numeric item maker

Example 2: Type="A", this list of items will be numbered with uppercase letters.

HTML

```
<!DOCTYPE html>
<html>

<body>
  <h2>Ordered List with Letters</h2>
  <ol type="A">
    <li>Bread</li>
    <li>Eggs</li>
    <li>Milk</li>
    <li>Coffee</li>
  </ol>
</body>

</html>
```

Output:



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C. Milk
D. Coffee

Ordered List with capital alphabetic item maker

Example 3: Type="a", this list of items will be numbered with lowercase letters.

HTML

```
<!DOCTYPE html>
<html>

<body>
  <h2>Ordered List with Lowercase Letters</h2>
  <ol type="a">
    <li>Bread</li>
    <li>Eggs</li>
    <li>Milk</li>
    <li>Coffee</li>
  </ol>
</body>

</html>
```

Output:

Ordered List with Lowercase Letters

a. Bread
b. Eggs
c. Milk
d. Coffee

Ordered List with small alphabetic item maker

Example 4: Type="I", this list of items will be numbered with uppercase roman numbers.

HTML

```
<!DOCTYPE html>
```

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```
<ol type="I">
  <li>Bread</li>
  <li>Eggs</li>
  <li>Milk</li>
  <li>Coffee</li>
</ol>
</body>

</html>
```

Output:

Ordered List with Roman Numbers

- I. Bread
- II. Eggs
- III. Milk
- IV. Coffee

Ordered List with uppercase roman numbers

Example 5: Type="i", this list of items will be numbered with lowercase roman numbers.

HTML

```
<!DOCTYPE html>
<html>

<body>
  <h2>Ordered List with Lowercase Roman Numbers</h2>
  <ol type="i">
    <li>Bread</li>
    <li>Eggs</li>
    <li>Milk</li>
    <li>Coffee</li>
  </ol>
</body>

</html>
```

Output:

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- iii. Milk
- iv. Coffee

Ordered List with lowercase roman numbers

Example 6: Nested ordered list, a nested ordered list is a list that has a list inside another list.

HTML

```
<!DOCTYPE html>
<html>

<body>
  <h1>GeeksforGeeks</h1>
  <h2>Nested Ordered List</h2>
  <ol>
    <li>Coffee</li>
    <li> Tea
      <ol>
        <li>Black tea</li>
        <li>Green tea</li>
      </ol>
    </li>
    <li>Milk</li>
  </ol>
</body>

</html>
```

Output:

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1. Coffee
2. Tea
 1. Black tea
 2. Green tea
3. Milk

Nested Ordered List

There is another attribute that is specifically defined for a list item, which is used in with the "li" tag and that is the [value attribute](#). Below is a little description of the value attribute specifically used with the "li" tag. Though it is used with various other HTML elements.

Value attribute:

The value attribute may be used on an individual element within an ordered list to change its value within the list. You define the value of a list item and the number of any list item appearing after it will be recalculated accordingly.

Example: This example illustrates the use of the "value attribute" used on the element.

HTML

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>
<h2>Welcome To GFG</h2>
<ol>
  <li>Item One</li>
  <li value="10">Item Two</li>
  <li>Item Three</li>
  <li>Item Four</li>
</ol>
</body>
</html>
```


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```
src="https://media.geeksforgeeks.org/wp-
content/uploads/20220522105327/GFG20220522105224.jpg"
alt="Use of "value
attribute" on
• "
srcset="https://media.geeksforgeeks.org/wp-
content/uploads/20220522105327/GFG20220522105224.jpg,
" sizes="100vw"
width="237">
```

Value attribute

HTML Description List: A description list is a list of terms, with a description of each term. The `<dl>` tag defines the description list, the `<dt>` tag defines the term name, and the `<dd>` tag describes each term. Please refer to the [How to add description list of an element using HTML?](#) article for further details.

Syntax:

```
<dl> Contents... </dl>
```

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HTML

```
<!DOCTYPE html>
<html>

<body>
  <h2>A Description List</h2>
  <dl>
    <dt>Coffee</dt>
    <dd>- 500 gms</dd>
    <dt>Milk</dt>
    <dd>- 1 ltr Tetra Pack</dd>
  </dl>
</body>
```

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A Description List

Coffee

- 500 gms

Milk

- 1 ltr Tetra Pack

Description List

Supported Browser:

- Google Chrome 94.0 & above
- Microsoft Edge 93.0
- Firefox 92.0 & above
- Opera 78.0
- Safari 14.1
- IE 11.0



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