



HTML Lists

English Language Department

Class Code: [i622qrg](#)

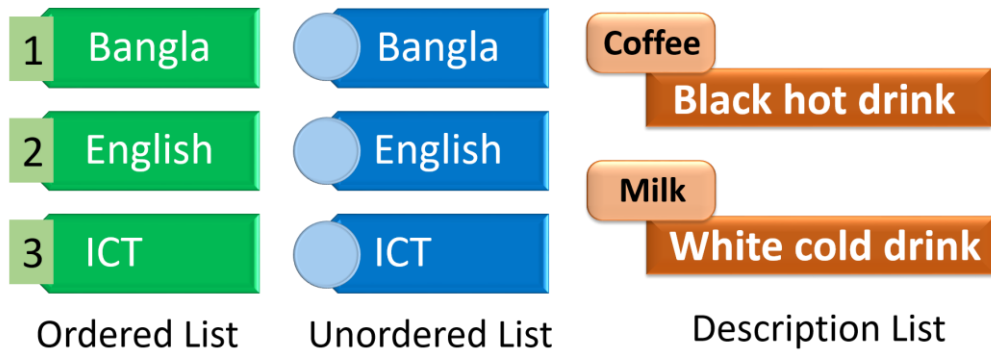
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What are Lists?

- HTML lists allow web developers to group a set of related items in lists
- All lists may contain one or more list elements. There are three different types of HTML lists:
 1. **Ordered List or Numbered List (ol):** An ordered list. This will use different schemes of numbers to list your items
 2. **Unordered List or Bulleted List (ul):** An unordered list. This will list items using plain bullets.
 3. **Description List or Definition List (dl):** A definition list. This arranges your items in the same way as they are arranged in a dictionary.



1 Bangla

2 English

3 ICT

Ordered List

Bangla

English

ICT

Unordered List

Coffee

Black hot drink

Milk

White cold drink

Description List

HTML List Tags

Tag	Description
<code></code>	Defines an unordered list
<code></code>	Defines an ordered list
<code></code>	Defines a list item
<code><dl></code>	Defines a description list
<code><dt></code>	Defines a term in a description list
<code><dd></code>	Describes the term in a description list

Ordered List

- The HTML `` `` tag defines an ordered list. An ordered list can be numerical or alphabetical.
- An ordered list starts with the `` tag. Each list item starts with the `` tag and ends with ``
- The list items will be marked with numbers by default:

HTML code

```
<!DOCTYPE html>
<html >
<head>
  <title>Ordered List</title>
</head>
<body>
  <ol>
    <li>Apple</li>
    <li>Mango</li>
    <li>Grapes</li>
    <li>PineApple</li>
    <li>Orange</li>
  </ol>
</body>
</html>
```

Expected Output

1. Apple
2. Mango
3. Grapes
4. Pineapple
5. Orange

Ordered List *type* attribute

- You can use *type* attribute for `` tag to specify the type of numbering you like.

```
<ol type = "1"> - Default-Case Numerals.  
<ol type = "I"> - Upper-Case Numerals.  
<ol type = "i"> - Lower-Case Numerals.  
<ol type = "A"> - Upper-Case Letters.  
<ol type = "a"> - Lower-Case Letters.
```

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

Ordered List *type* attribute

Numbers:

```
<ol type="1">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ol>
```

HTML code

```
<!DOCTYPE html>  
<html>  
<body>  
  
  <ol type="1">  
    <li>Coffee</li>  
    <li>Tea</li>  
    <li>Milk</li>  
  </ol>  
  
</body>  
</html>
```

Result

1. Coffee
2. Tea
3. Milk

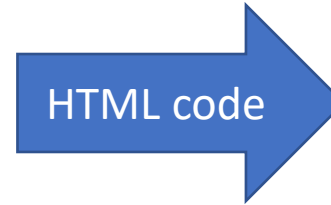
Ordered List *type* attribute

Uppercase Letters:

```
<ol type="A">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>
```



A. Coffee
B. Tea
C. Milk



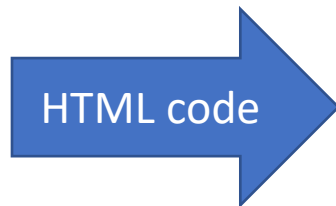
```
<!DOCTYPE html>
<html>
<body>

<ol type="A">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>

</body>
</html>
```

Lowercase Letters:

```
<ol type="a">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>
```



```
<!DOCTYPE html>
<html>
<body>
```

```
<ol type="a">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>
```

```
</body>
</html>
```



a. Coffee
b. Tea
c. Milk

Ordered List *type* attribute

Uppercase Roman Numbers

```
<ol type="I">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ol>
```

HTML code

```
<!DOCTYPE html>  
<html>  
<body>  
  
<ol type="I">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ol>  
  
</body>  
</html>
```

Result

I. Coffee
II. Tea
III. Milk

Lowercase Roman Numbers:

```
<ol type="i">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ol>
```

HTML code

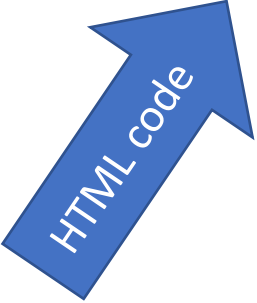
```
<!DOCTYPE html>  
<html>  
<body>  
  
<ol type="i">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ol>  
  
</body>  
</html>
```

Result

i. Coffee
ii. Tea
iii. Milk

Ordered List *start* attribute

By default, an ordered list will start counting from 1. If you want to start counting from a specified number, you can use the *start* attribute:



```
<!DOCTYPE html>
<html>
<body>

<ol start="50">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>

<ol type="I" start="50">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>

</body>
</html>
```

It starts counting from 50



```
<ol start="50">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>
```



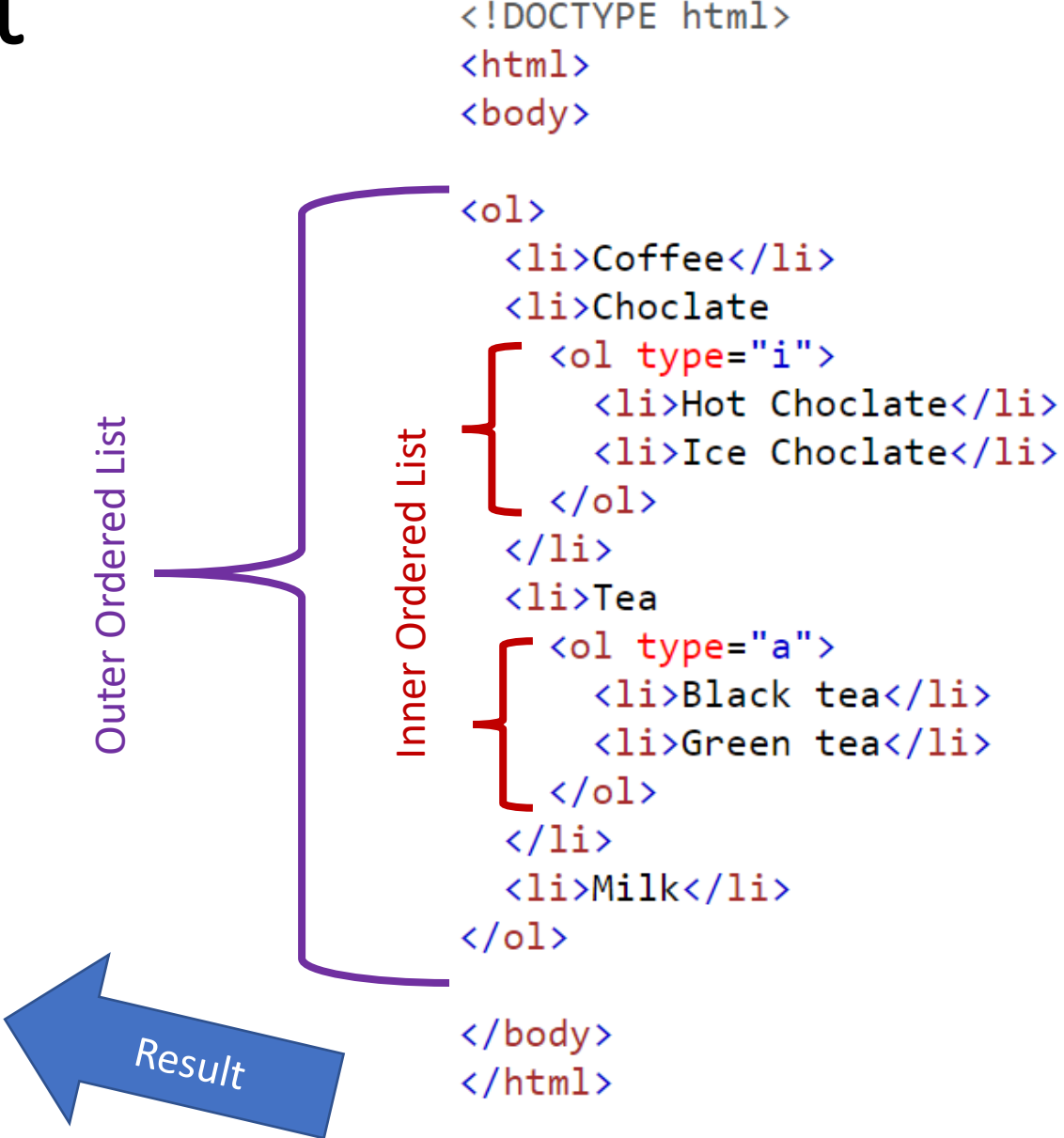
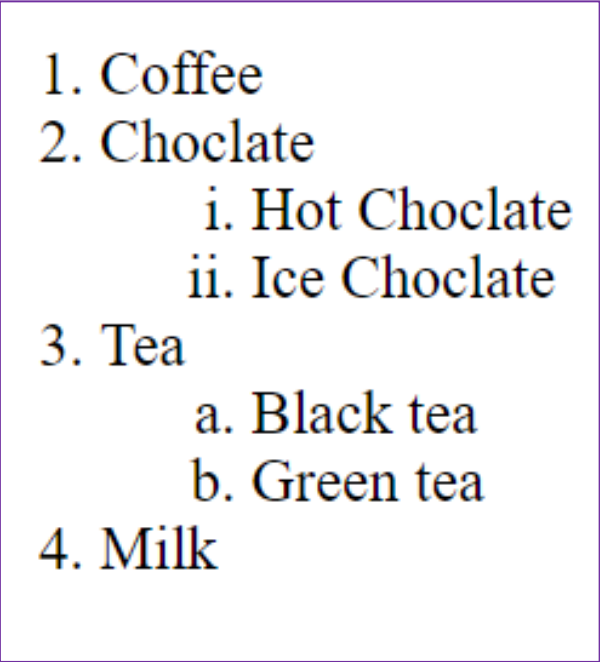
Result

```
50. Coffee
51. Tea
52. Milk

L. Coffee
LI. Tea
LII. Milk
```


Nested Ordered List

- Lists can be nested (List inside a List).



Unordered List

- ****: The unordered list is created with the **** element and ends with ****.
- ****: Each item in the list is placed between an opening **** tag and a closing **** tag. (The li stands for list item.)
- All the list items are marked with bullets (small black circles) by default

HTML code

```
<!DOCTYPE html>
<html >
<head>
  <title>Unrdered List</title>
</head>
<body>
  <ul>
    <li>Apple</li>
    <li>Mango</li>
    <li>Grapes</li>
    <li>PineApple</li>
    <li>Orange</li>
  </ul>
</body>
</html>
```

Expected Output

- Apple
- Mango
- Grapes
- Pineapple
- Orange

Unordered List *type* attribute

- You can use **type** attribute for **** tag to specify the type of bullet you like. By default, it is a disc. Following are the possible options

```
<ul type = "square">  
<ul type = "disc">  
<ul type = "circle">
```

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

HTML Code Structure

```
<ul>  
<li> ... </li>  
</ul>
```



Unordered List *type* attribute

Type = DISC

```
<ul type="disc">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ul>
```

HTML code

```
<!DOCTYPE html>  
<html>  
<body>  
  
  <ul type="disc">  
    <li>Coffee</li>  
    <li>Tea</li>  
    <li>Milk</li>  
  </ul>  
  
</body>  
</html>
```

Result

- Coffee
- Tea
- Milk

Unordered List *type* attribute

Type = SQUARE

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



```
<!DOCTYPE html>  
<html>  
<body>
```

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



```
</body>  
</html>
```

- Coffee
- Tea
- Milk

Unordered List *type* attribute

Type = CIRCLE

```
<ul type="circle">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ul>
```



```
<!DOCTYPE html>  
<html>  
<body>
```

```
<ul type="circle">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ul>
```



- Coffee
- Tea
- Milk

```
</body>  
</html>
```

Unordered List *type* attribute

Type = NONE

```
<ul type="none">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ul>
```



```
<!DOCTYPE html>  
<html>  
<body>
```

```
<ul type="none">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ul>
```



Coffee
Tea
Milk

```
</body>  
</html>
```

Nested unordered List

- Unordered Lists can be nested (List inside a List).

- Coffee
- Chocolate
 - Hot chocolate
 - Ice Chocolate
- Tea
 - Black tea
 - Green tea
- Milk

Outer Unordered List

Inner Unordered List



```
<!DOCTYPE html>
<html>
<body>

<ul>
  <li>Coffee</li>
  <li>Chocolate
    <ul type="square">
      <li>Hot chocolate</li>
      <li>Ice Chocolate</li>
    </ul>
  </li>
  <li>Tea
    <ul>
      <li>Black tea</li>
      <li>Green tea</li>
    </ul>
  </li>
  <li>Milk</li>
</ul>

</body>
</html>
```


Description (Definition) List

- A description(definition) list is a list of terms, with a description of each term.
- **<dl>**: The definition list is created with the <dl> element and usually consists of a series of terms and their definitions.
- Inside the <dl> element you will usually see pairs of <dt> and <dd> elements.
- **<dl>** element to define a description list
- **<dt>** element to define the description term
- **<dd>** element to describe the term in a description list

Example

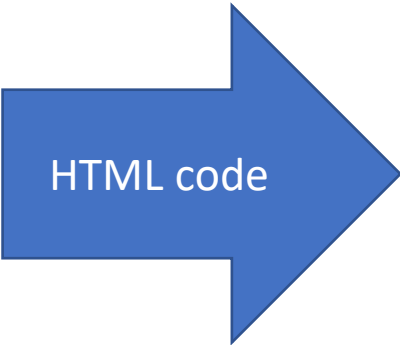
```
<dl>  
  <dt>Coffee</dt>  
  <dd>- black hot drink</dd>  
  <dt>Milk</dt>  
  <dd>- white cold drink</dd>  
</dl>
```

DESCRIPTION LIST

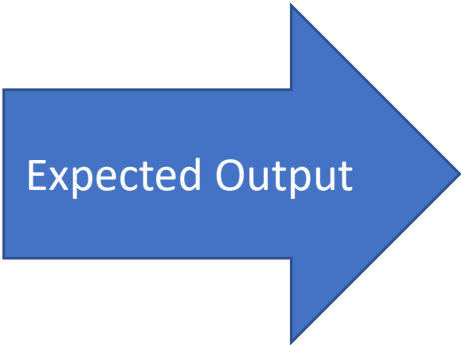
```
<dl>  
  <dt>TD</dt>  
  <dd>Technical Design</dd>  
  <dt>DEV</dt>  
  <dd>Development</dd>  
  <dt>REQ</dt>  
  <dd>Requirement </dd>  
  <dt>BRD</dt>  
  <dd>Business Req. Document  
</dd>  
</dl>
```

TD
Technical Design
DEV
Development
REQ
Requirement Analysis
BRD
Business Req. Document

Description (Definition) List



```
<!DOCTYPE html>
<html >
<head>
  <title>Unrdered List</title>
</head>
<body>
  <dl>
    <dt>TD</dt>
    <dd>Technical Design</dd>
    <dt>DEV</dt>
    <dd>Development</dd>
    <dt>REQ</dt>
    <dd>Requirement</dd>
    <dt>BRD</dt>
    <dd>Business Req. Document</dd>
  </dl>
</body>
</html>
```



TD
Technical Design
DEV
Development
REQ
Requirement Analysis
BRD
Business Req. Document