



Links and Lists

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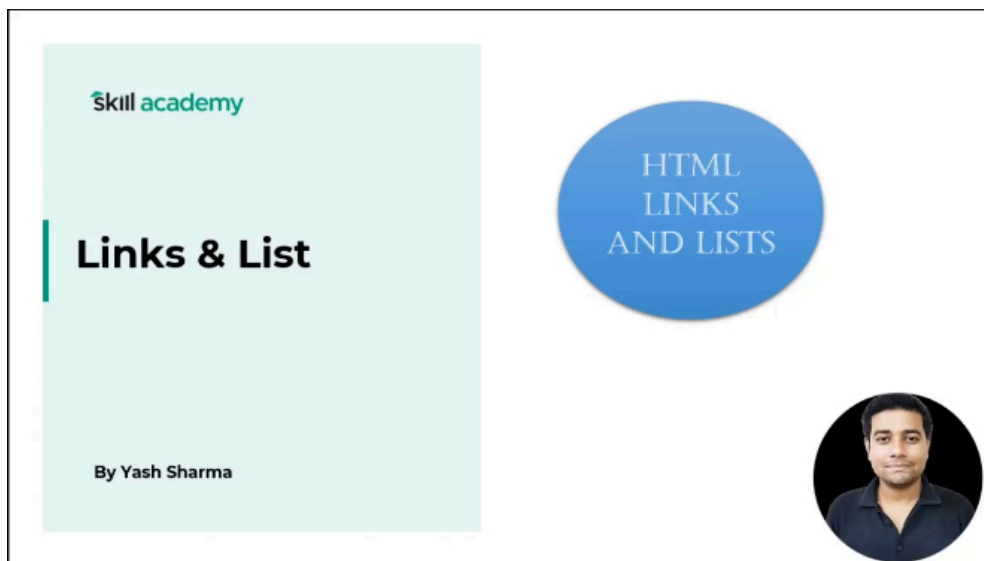


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Your Notes



HTML – Links

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- A link is a **connection** from one web resource to another.
- A link has two ends,
 - Source
 - Destination.
- The link starts at the "source" anchor and points to the "destination" anchor,
- The destination may be any Web resource such as an image, a video clip, a sound bite, a program, an HTML document or an element within an HTML document.



HTML – Links

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- A web page can contain various links that take you directly to other pages and even specific parts of a given page. These links are known as **hyperlinks**.
- Hyperlinks allow visitors to navigate between Web sites by clicking on words, phrases, and images.
- Thus you can create hyperlinks using text or images available on a webpage.
- In HTML, links are defined with the **<a>** tag.



HTML – Links

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Syntax of **<a>** tag :

```
<a href="url">link text</a>
```

- **href** → specifies the destination address.
- **link text** → the visible part.

Clicking on the link text, will **send** you to the specified address.

Example:

```
<a href="https://www.testbook.com/">Visit testbook.com!</a>
```



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HTML Links – Colors

When you move the mouse over a link, two things will normally [Visit testbook.com!](https://www.testbook.com) happen:

- The mouse arrow will turn into a little hand
- The color of the link element will change

By default, a link will appear like this (in all browsers):

- An unvisited link is **underlined** and **blue**
- A visited link is **underlined** and **purple**
- An active link is **underlined** and **red**




HTML – Links skill academy

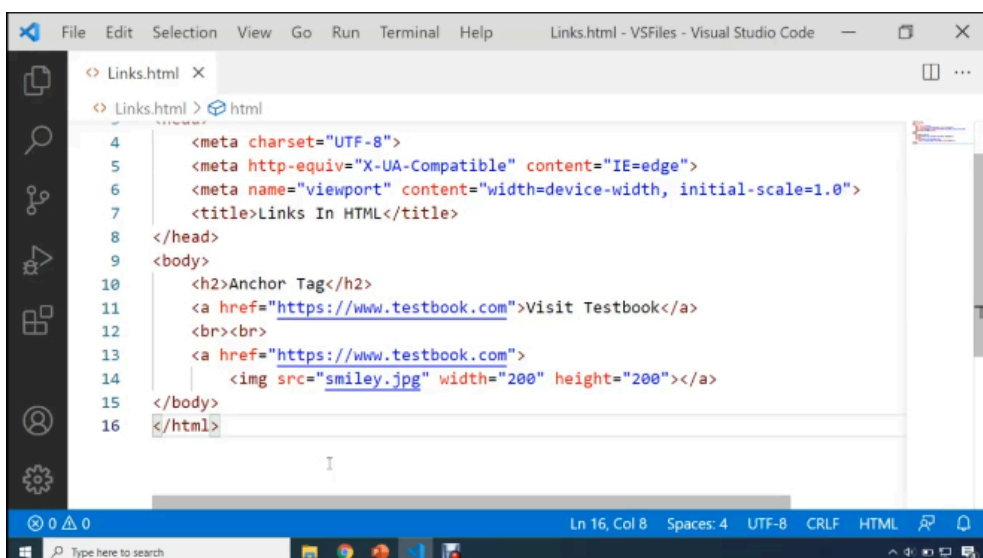
HTML Links - The target Attribute

The target attribute specifies where to open the linked document.

Target Value	Description
_blank	Opens the linked document in a new window or tab
_self	Opens the linked document in the same frame as it was clicked (this is default)
_parent	Opens the linked document in the parent frame
_top	Opens the linked document in the full body of the window
framename	Opens the linked document in a named frame



you Redirect your user to one web page to another web page using Anchor tag by providing source of destination webpage via text or image.

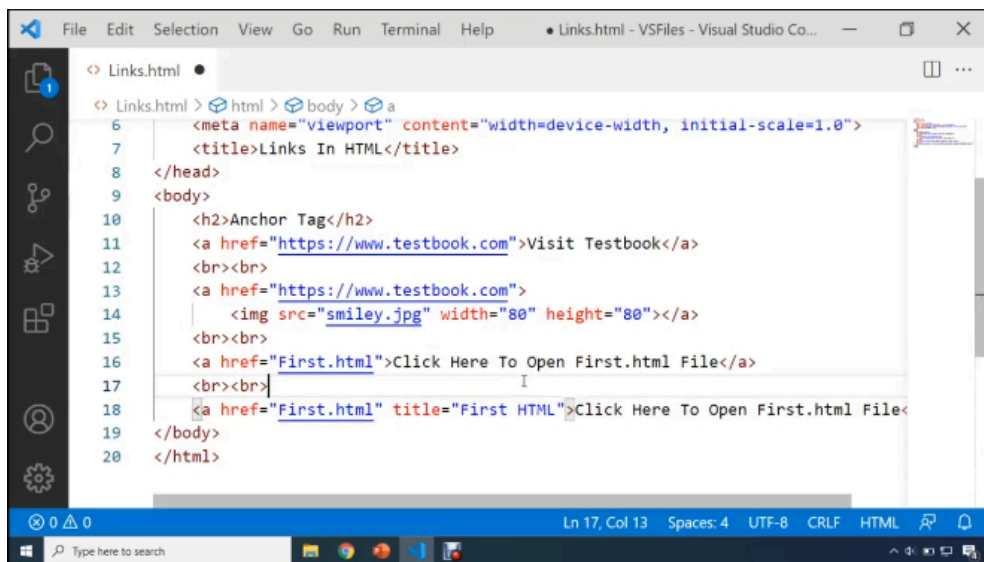


```

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Links In HTML</title>
8 </head>
9 <body>
10  <h2>Anchor Tag</h2>
11  <a href="https://www.testbook.com">Visit Testbook</a>
12  <br><br>
13  <a href="https://www.testbook.com">
14    </a>
15 </body>
16 </html>
  
```

you Redirect your user to one html page to another html page (destination html page) using anchor tag as follow as.

When We add title attribute inside the anchor tag. they show the title when we hover on that linked text (click Here To Open First.html Files)

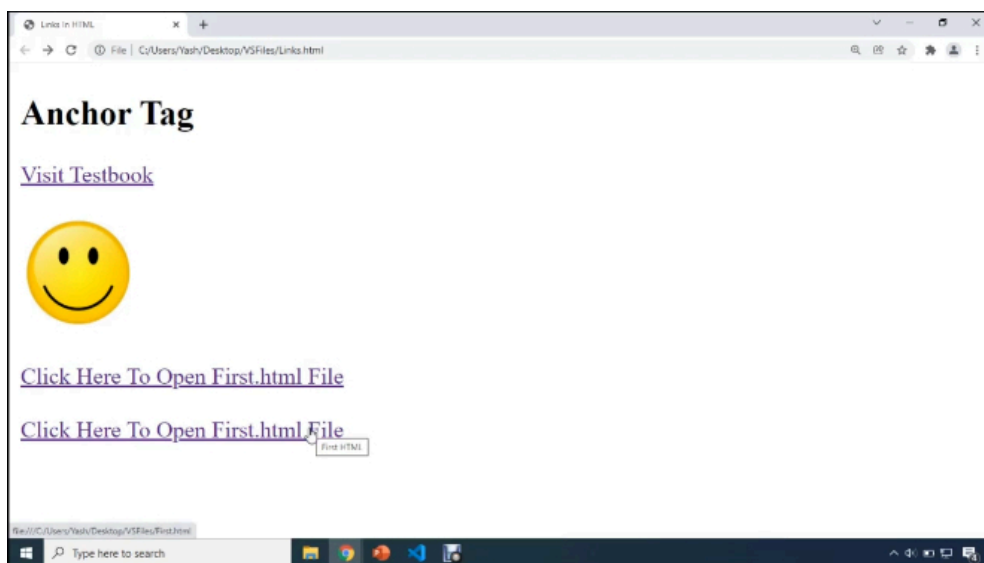


```

1  <?xml version="1.0" encoding="UTF-8" ?>
2  <html>
3  <head>
4  <meta name="viewport" content="width=device-width, initial-scale=1.0">
5  <title>Links In HTML</title>
6  </head>
7  <body>
8  <h2>Anchor Tag</h2>
9  <a href="https://www.testbook.com">Visit Testbook</a>
10 <br><br>
11 <a href="https://www.testbook.com">
12   </a>
13 <br><br>
14 <a href="First.html">Click Here To Open First.html File</a>
15 <br><br>
16 <a href="First.html" title="First HTML">Click Here To Open First.html File</a>
17 </body>
18 </html>

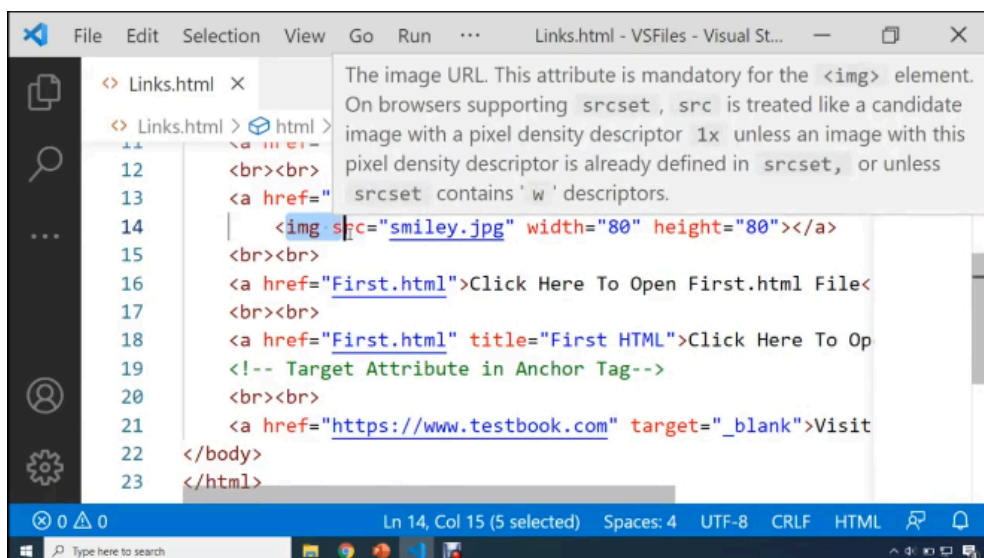
```

when we hover on it it show title of the link (First HTML).



Target Attribute in Anchor Tag. (important)

'target' attribute defined where you can open a link. for example target="_blank" is open a link in new tab. and target = "_self" is open a link in same tab.



```

12 <br><br>
13 <a href="
14   </a>
15 <br><br>
16 <a href="First.html">Click Here To Open First.html File<
17 <br><br>
18 <a href="First.html" title="First HTML">Click Here To Op
19 <!-- Target Attribute in Anchor Tag-->
20 <br><br>
21 <a href="https://www.testbook.com" target="_blank">Visit
22 </body>
23 </html>

```

HTML LISTS

HTML – List

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- The list allows us to group the set of items.
- Types of list in HTML:
 - Unordered list.
 - Ordered list.
 - Description list.

An Unordered List	Ordered List
.Item	1. First Item
.Item	2. Second Item
.Item	3. Third Item
.Item	4. Fourth Item
.Item	5. Fifth Item
.Item	6. Sixth Item




Unordered list

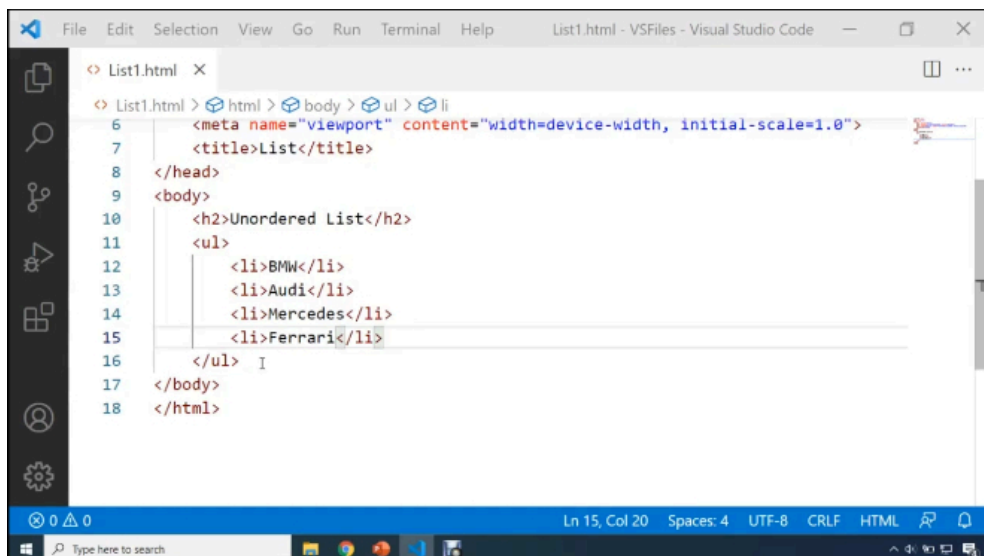
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- The unordered list is a bulleted list.
- The unordered list starts with `` and ends with ``
- Each item is to be listed in `` `` tag.
- Example:

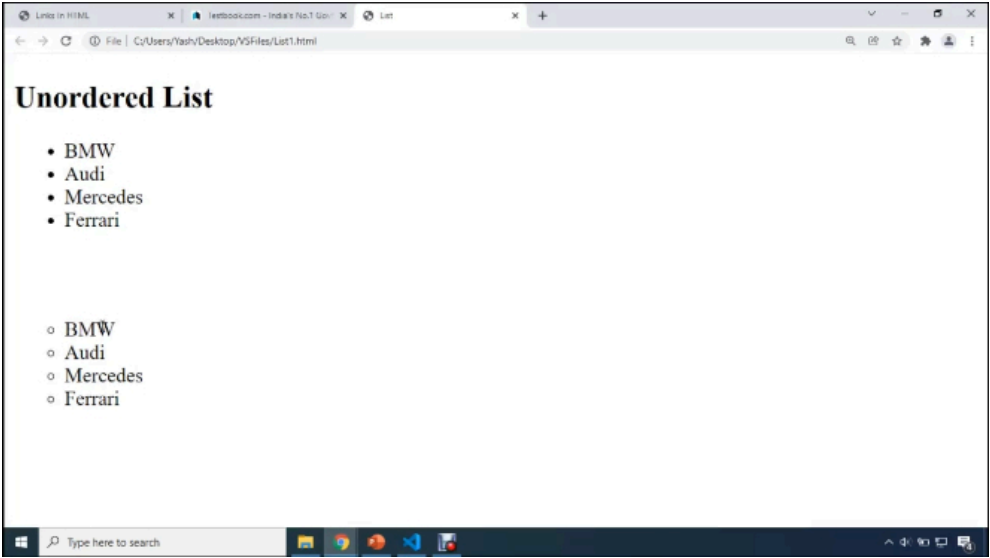
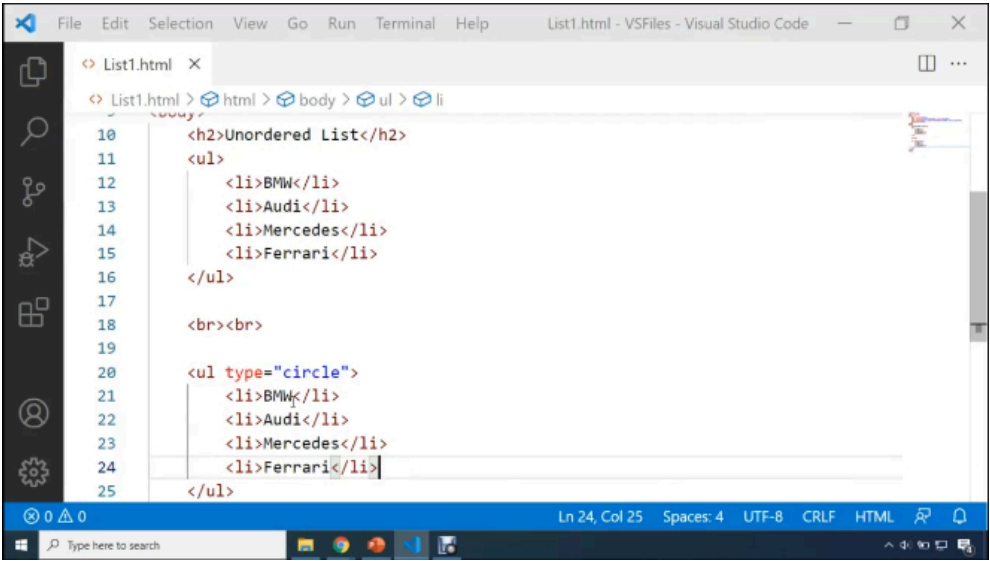
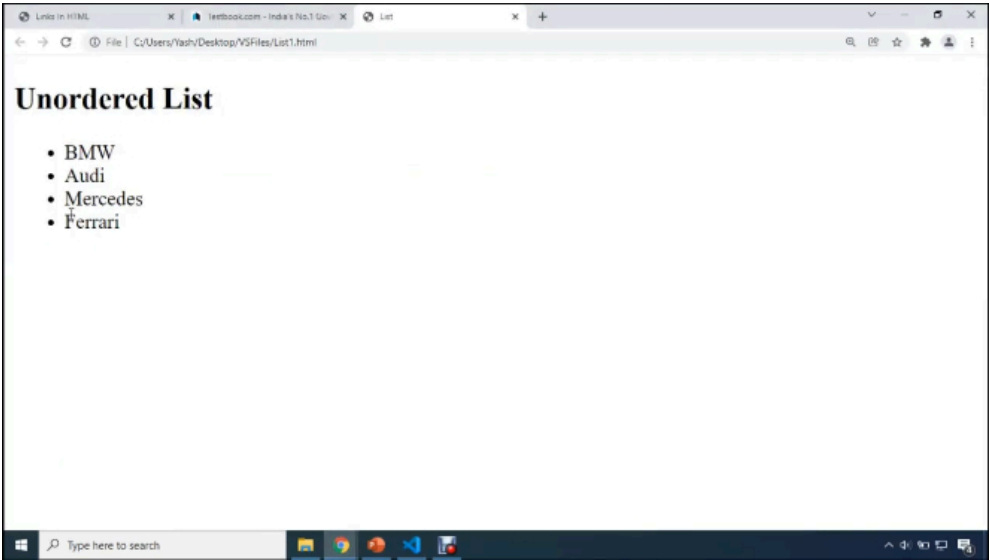
```
<ul>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ul>
```

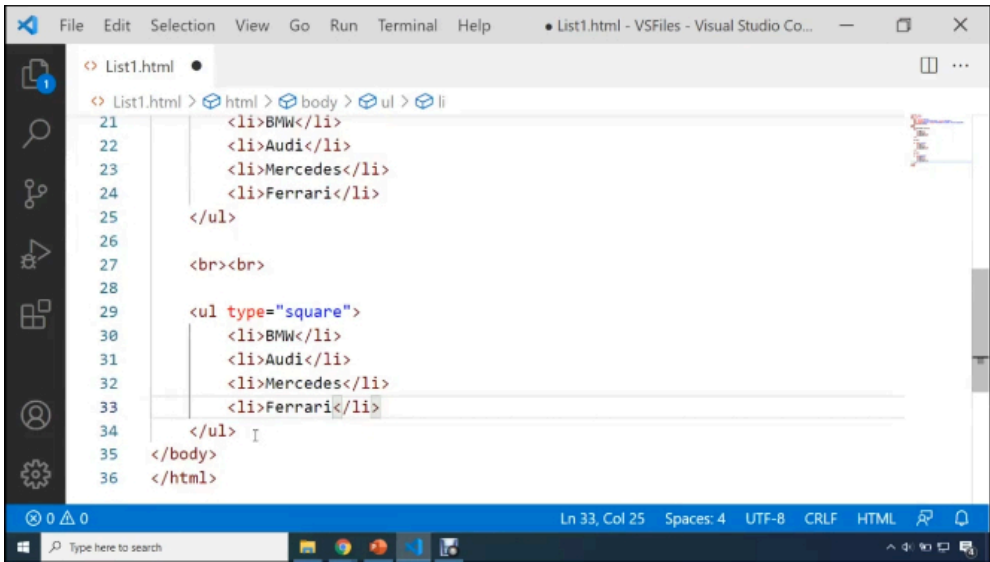


- Coffee
- Tea
- Milk

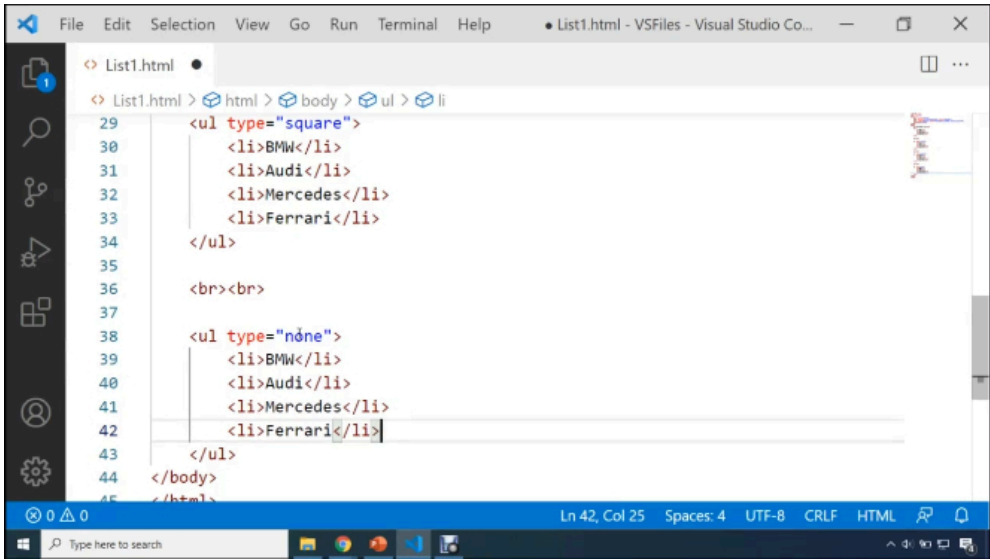
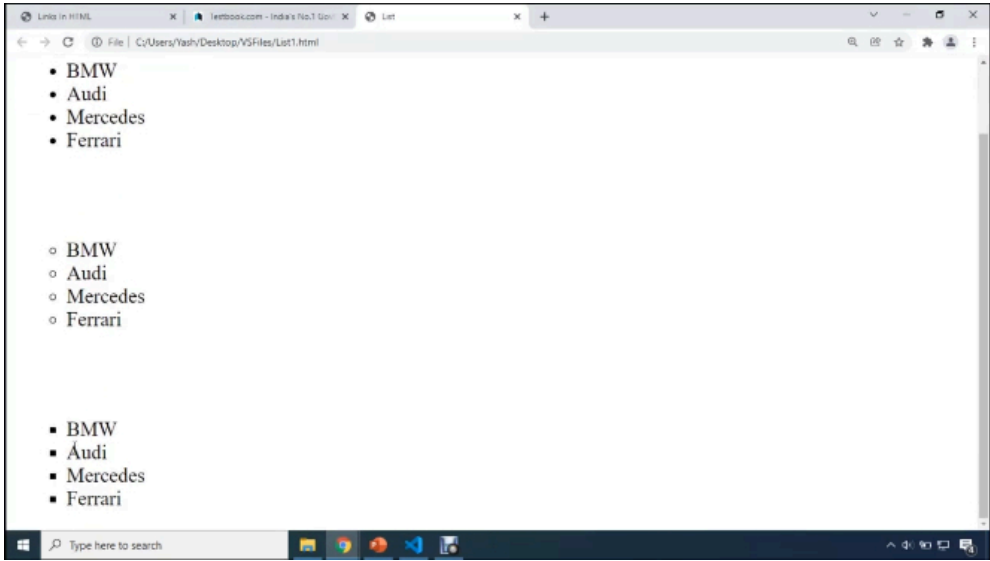


```
<?xml version="1.0" encoding="UTF-8" ?>
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>List</title>
  </head>
  <body>
    <h2>Unordered List</h2>
    <ul>
      <li>BMW</li>
      <li>Audi</li>
      <li>Mercedes</li>
      <li>Ferrari</li>
    </ul>
  </body>
</html>
```

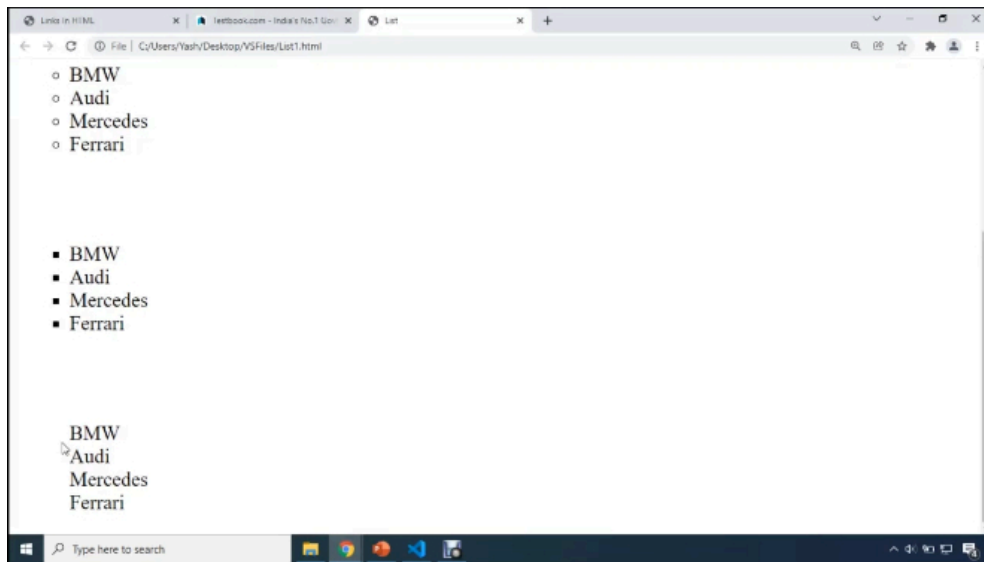




```
21 <li>BMW</li>
22 <li>Audi</li>
23 <li>Mercedes</li>
24 <li>Ferrari</li>
25 </ul>
26
27 <br><br>
28
29 <ul type="square">
30 <li>BMW</li>
31 <li>Audi</li>
32 <li>Mercedes</li>
33 <li>Ferrari</li>
34 </ul>
35 </body>
36 </html>
```



```
29 <ul type="square">
30 <li>BMW</li>
31 <li>Audi</li>
32 <li>Mercedes</li>
33 <li>Ferrari</li>
34 </ul>
35
36 <br><br>
37
38 <ul type="square">
39 <li>BMW</li>
40 <li>Audi</li>
41 <li>Mercedes</li>
42 <li>Ferrari</li>
43 </ul>
44 </body>
45 </html>
```



Ordered list

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- The ordered list can be either numerical order or alphabetical order.
- The ordered list starts with `` and ends with ``
- Each item is to be listed in `` `` tag.
- Type attribute has to be used to specify the order of the list.
- The type can be numericals, alphabets in upper or lower case, and roman numbers in upper or lower case.
- The default value for type is 1, which denotes numericals.




Ordered list

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Example:

```
<ol>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>
```



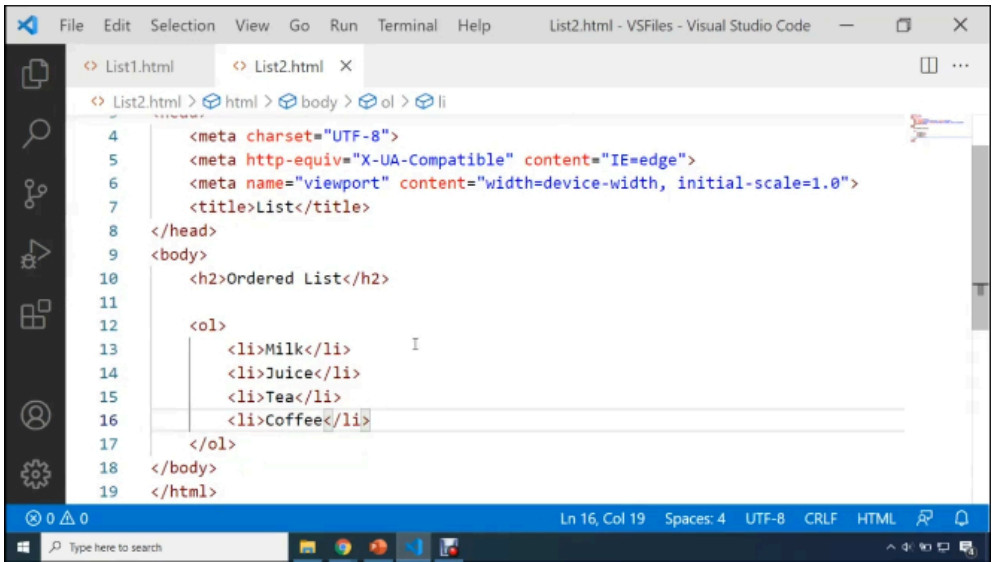
1. Coffee
2. Tea
3. Milk

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

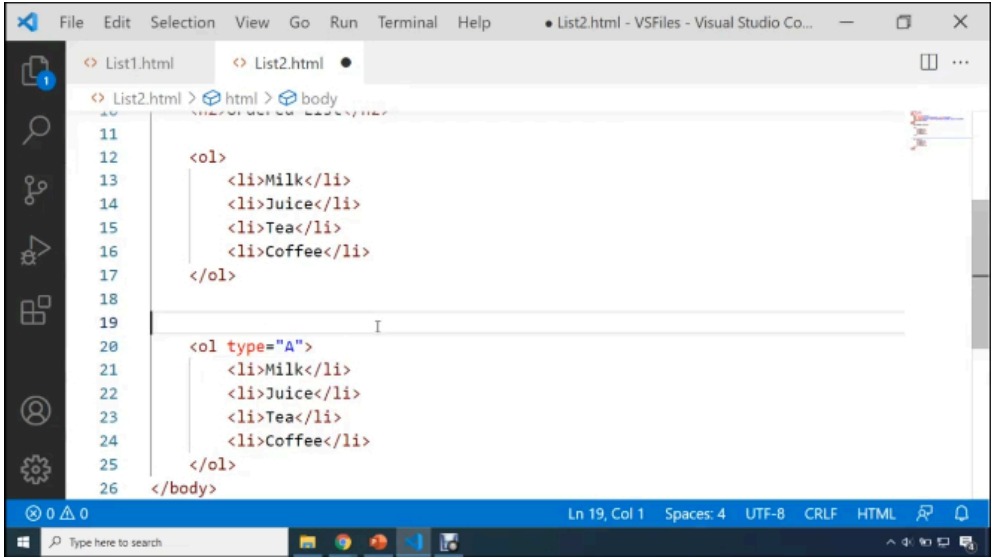
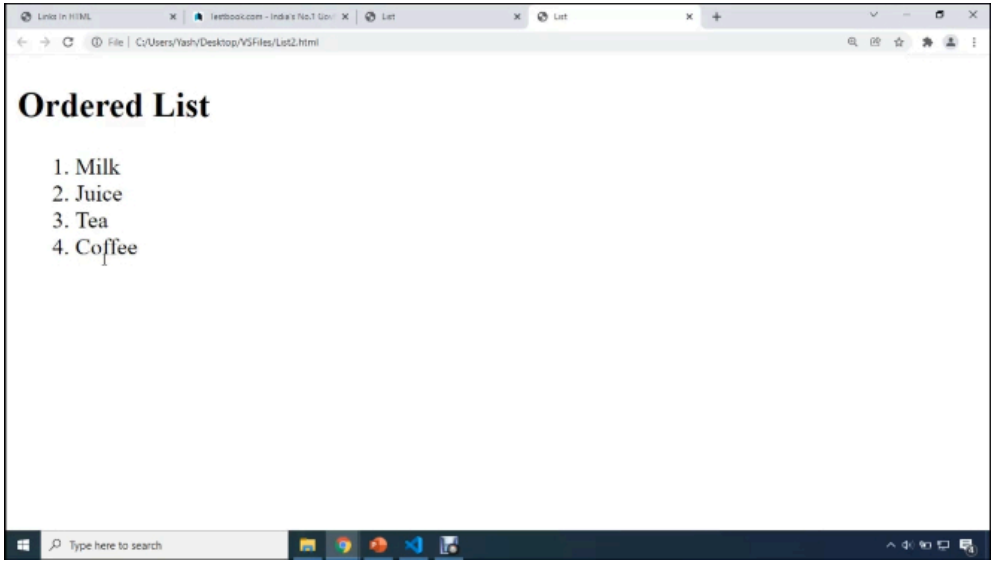


A. Coffee
B. Tea
C. Milk

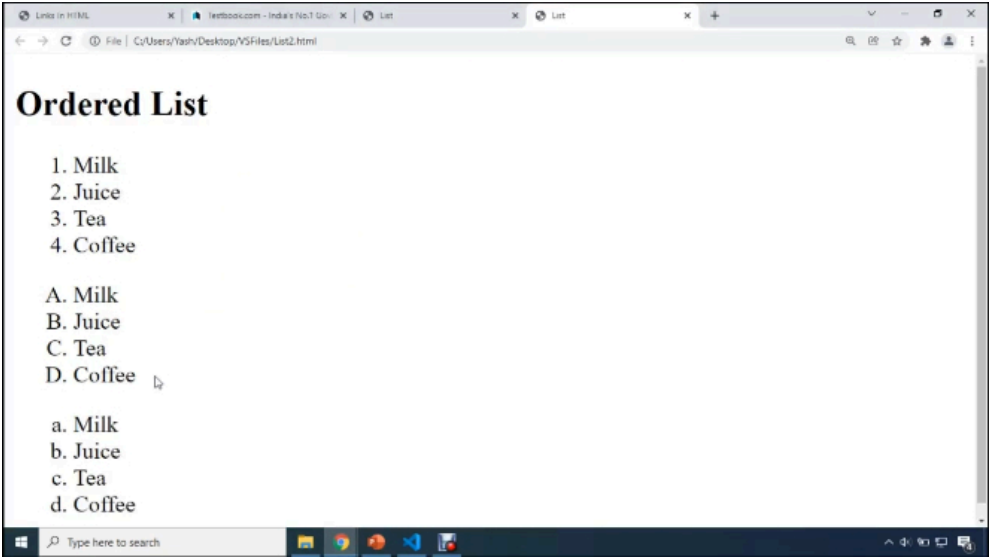
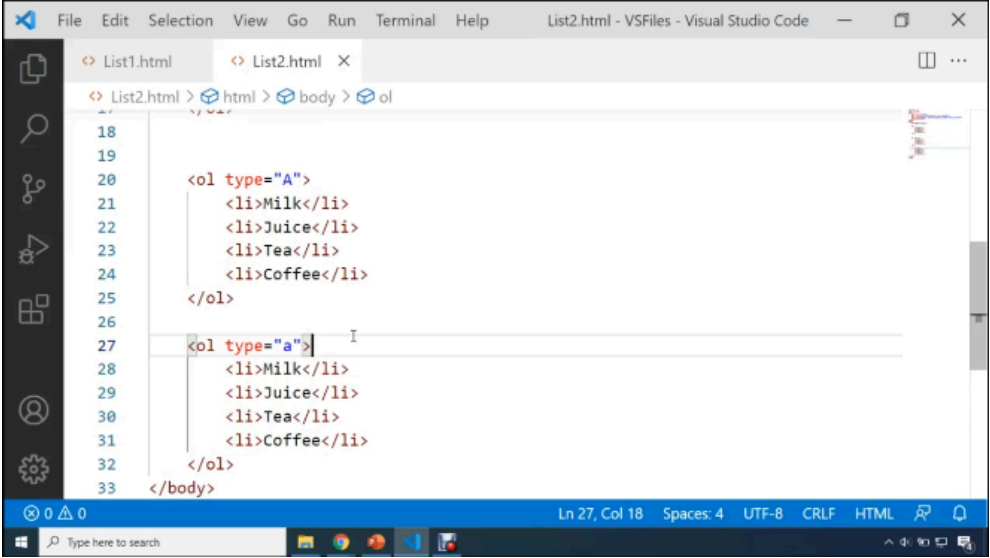
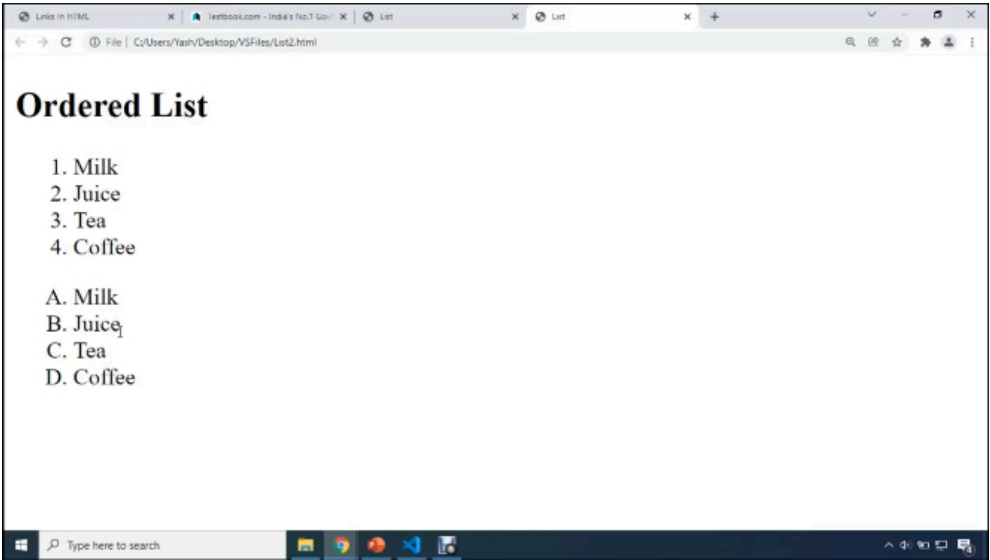




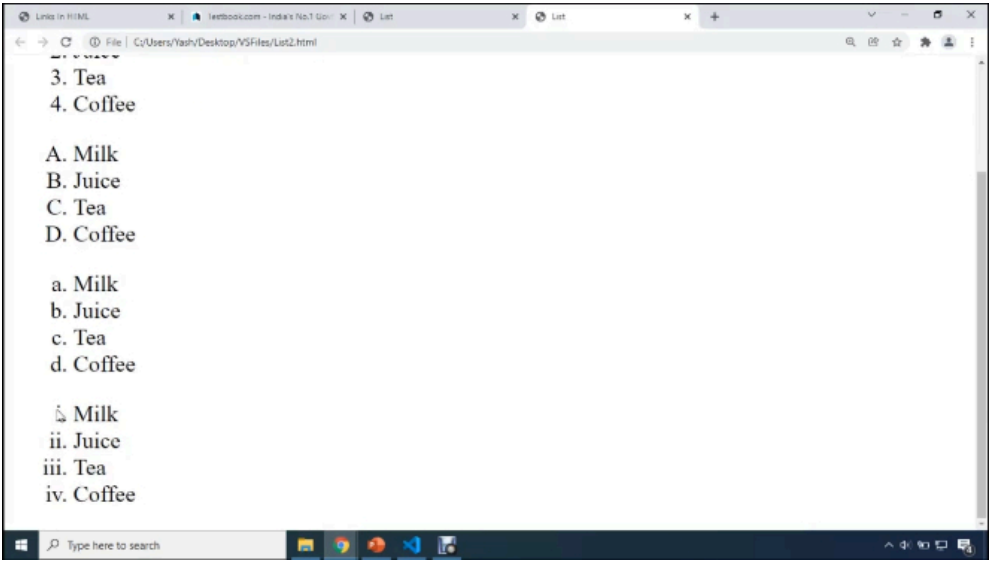
```
4 <meta charset="UTF-8">
5 <meta http-equiv="X-UA-Compatible" content="IE=edge">
6 <meta name="viewport" content="width=device-width, initial-scale=1.0">
7 <title>List</title>
8 </head>
9 <body>
10 <h2>Ordered List</h2>
11
12 <ol>
13 <li>Milk</li>
14 <li>Juice</li>
15 <li>Tea</li>
16 <li>Coffee</li>
17 </ol>
18 </body>
19 </html>
```



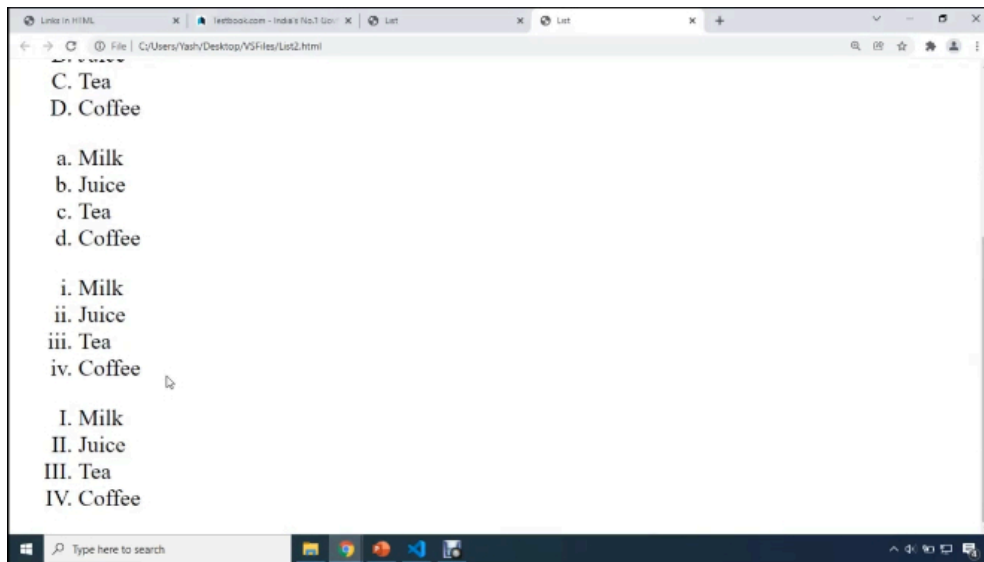
```
11 <ol>
12 <li>Milk</li>
13 <li>Juice</li>
14 <li>Tea</li>
15 <li>Coffee</li>
16 </ol>
17
18
19 <ol type="A">
20 <li>Milk</li>
21 <li>Juice</li>
22 <li>Tea</li>
23 <li>Coffee</li>
24 </ol>
25 </body>
26 </html>
```



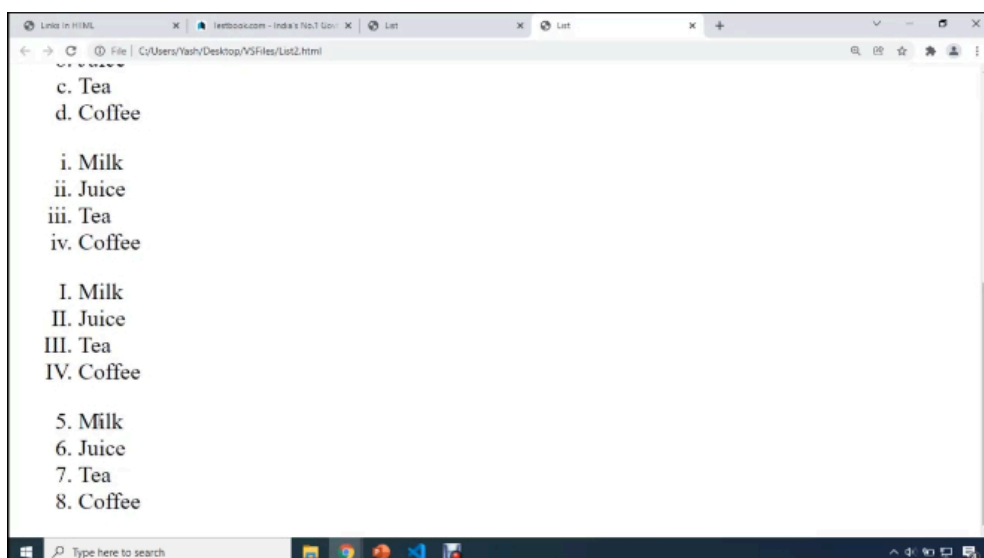
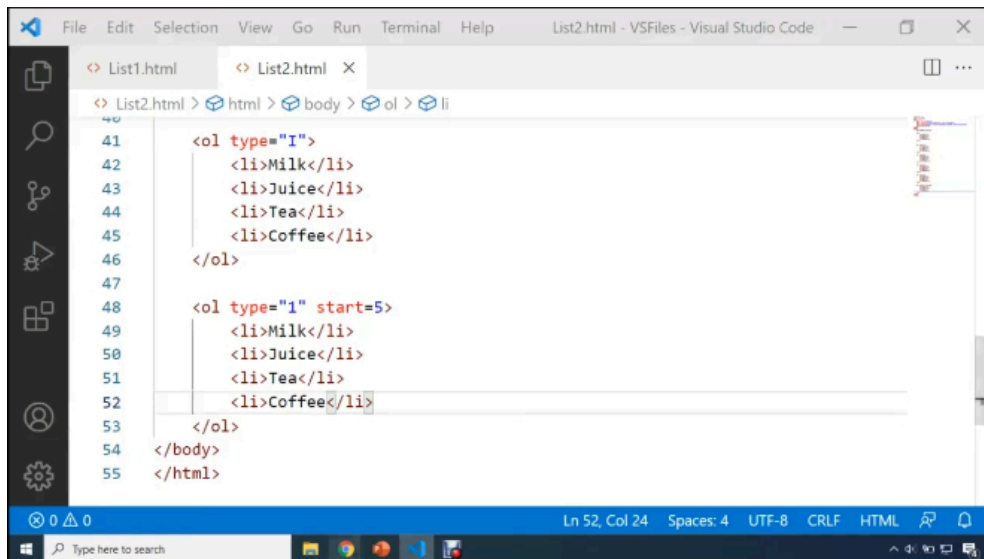
```
25 </ol>
26
27 <ol type="a">
28   <li>Milk</li>
29   <li>Juice</li>
30   <li>Tea</li>
31   <li>Coffee</li>
32 </ol>
33
34 <ol type="i">
35   <li>Milk</li>
36   <li>Juice</li>
37   <li>Tea</li>
38   <li>Coffee</li>
39 </ol>
40 </body>
```

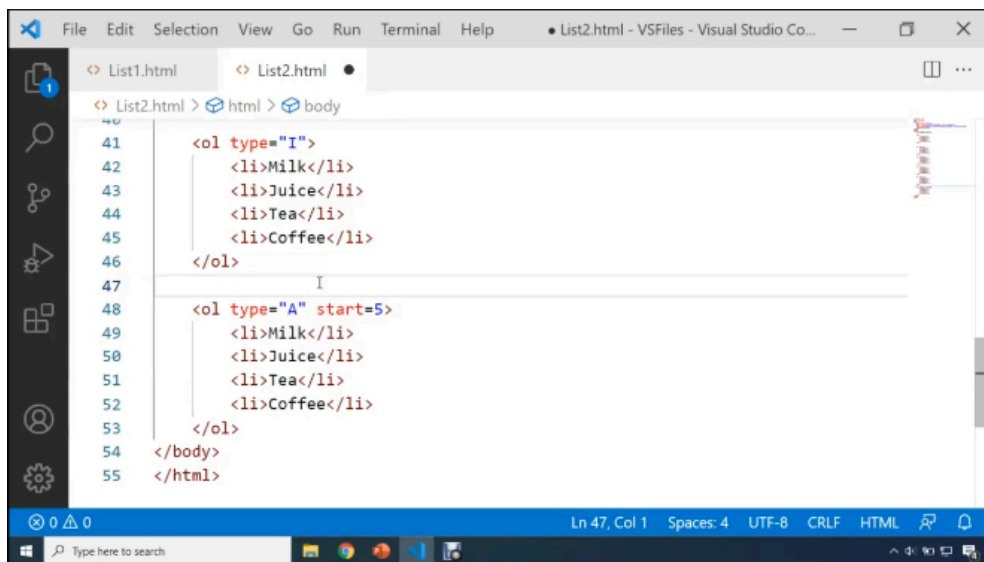


```
32 </ol>
33
34 <ol type="i">
35   <li>Milk</li>
36   <li>Juice</li>
37   <li>Tea</li>
38   <li>Coffee</li>
39 </ol>
40
41 <ol type="I">
42   <li>Milk</li>
43   <li>Juice</li>
44   <li>Tea</li>
45   <li>Coffee</li>
46 </ol>
47 </body>
```



'start' attribute with
tag. start attribute specify from where to start the list order in list.



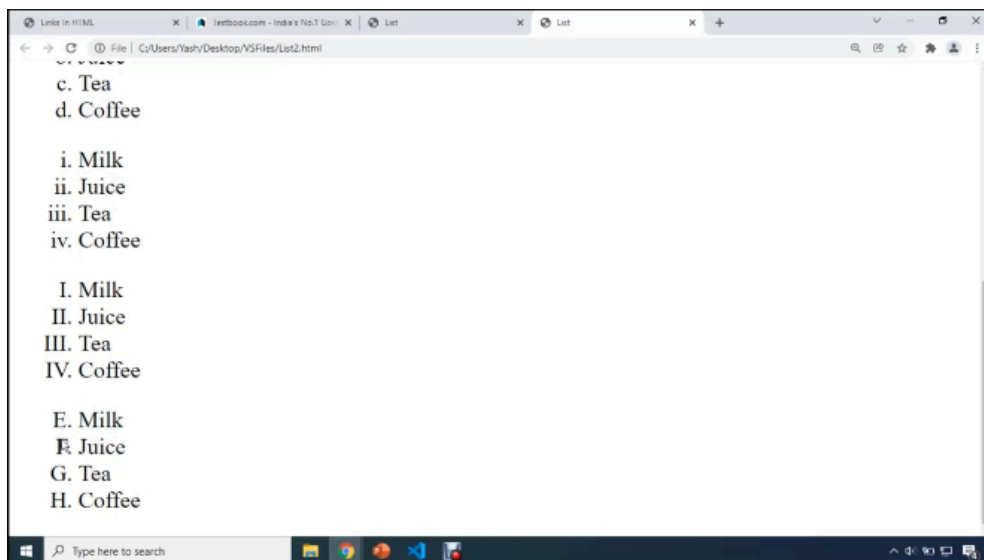


The screenshot shows the Visual Studio Code editor with a file named List2.html. The code defines an ordered list with the following HTML structure:

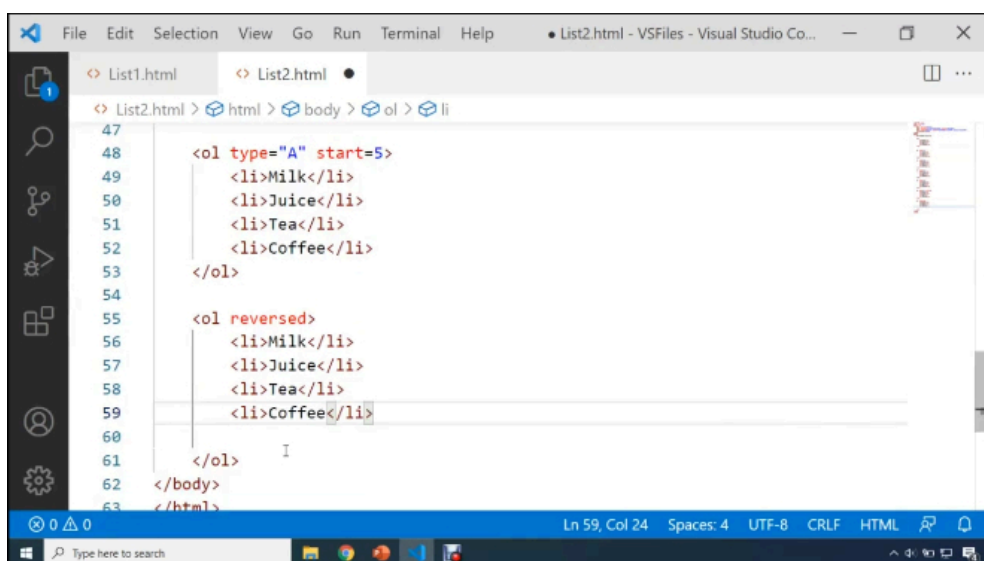
```
<ol type="I">
  <li>Milk</li>
  <li>Juice</li>
  <li>Tea</li>
  <li>Coffee</li>
</ol>

<ol type="A" start=5>
  <li>Milk</li>
  <li>Juice</li>
  <li>Tea</li>
  <li>Coffee</li>
</ol>
</body>
</html>
```

The status bar at the bottom indicates the cursor is at Line 47, Column 1, with 4 spaces, UTF-8 encoding, and CRLF line endings.



'reversed' attribute used to print the order of list in reverse order.

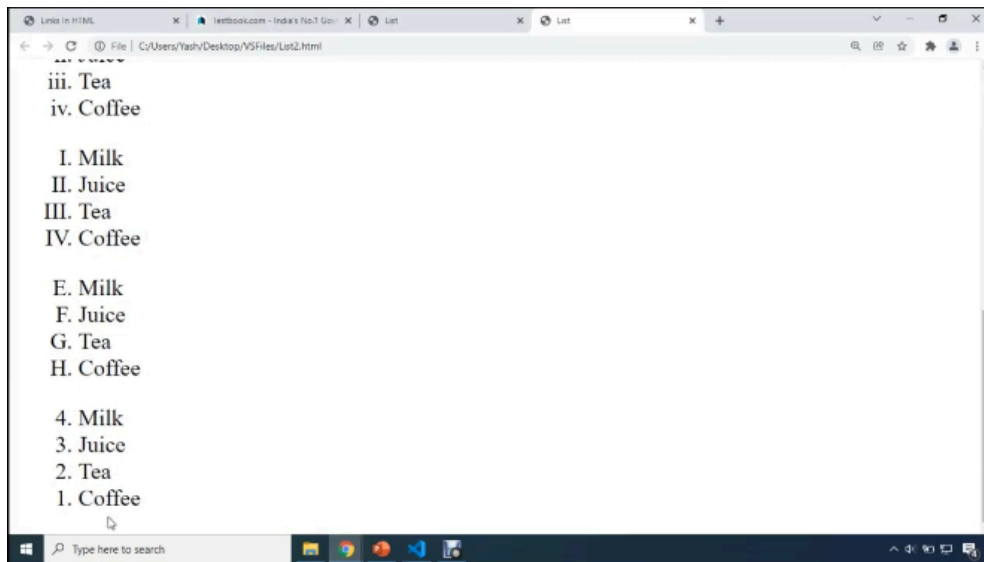


The screenshot shows the Visual Studio Code editor with List2.html. The code now includes a reversed ordered list:

```
<ol type="A" start=5>
  <li>Milk</li>
  <li>Juice</li>
  <li>Tea</li>
  <li>Coffee</li>
</ol>

<ol reversed>
  <li>Milk</li>
  <li>Juice</li>
  <li>Tea</li>
  <li>Coffee</li>
</ol>
</body>
</html>
```

The status bar at the bottom indicates the cursor is at Line 59, Column 24, with 4 spaces, UTF-8 encoding, and CRLF line endings.




Descriptive List

Descriptive list

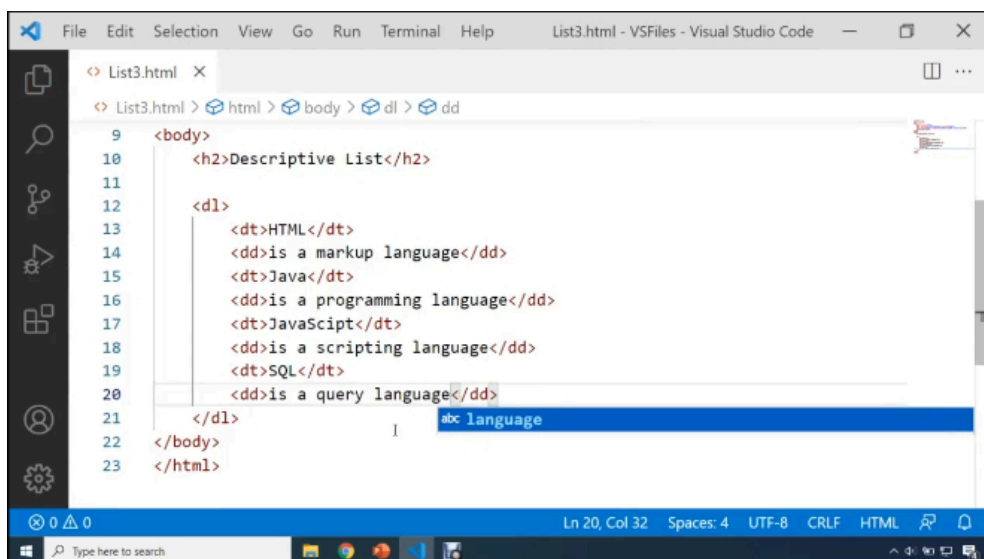

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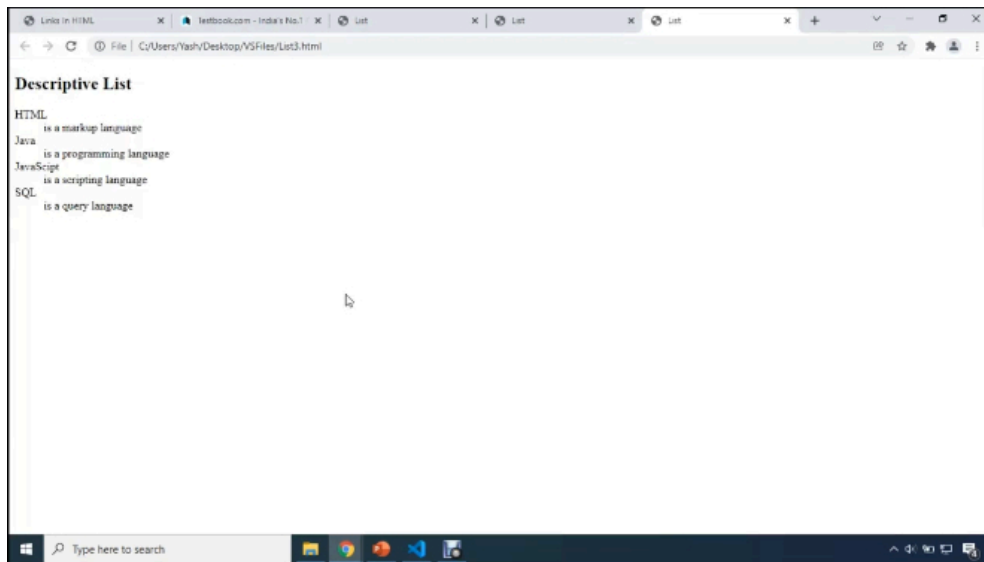
- The descriptive list is used to provide description to the items listed.
- `<dl></dl>` tag defines the description list.
 - `<dt></dt>` tag defines the items in the list.
 - `<dd></dd>` tag defines the description of the tag.
- Example:

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



Coffee
- black hot drink
Milk
- white cold drink





Extra Important Points

In HTML5 the user of 'type' attribute is not recommended.

The ul type attribute is not supported by HTML5. Instead, you can use the CSS list-style-type property.

