

Daxmin Digital



Topic Name: HTML

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1.What is HTML with example?

HTML:

HTML (HyperText Markup Language) is a markup language used to create and structure content for the web. It uses a series of tags to define different elements of a web page such as headings, paragraphs, images, links, forms, and more.

In the context of the web, Hypertext is an essential feature of the World Wide Web, as it enables users to browse different web pages by clicking on links, creating a network of interconnected documents. The HyperText Markup Language (HTML) is the primary language used for creating and structuring Hypertext documents on the web.

Web Page:

A web page is a document that is designed to be displayed on the World Wide Web (WWW) using a web browser. A web page can contain various types of content, such as text, images, audio, and video, and can be accessed by entering its URL (Uniform Resource Locator) into a web browser's address bar.

Example:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>Web page title</title>
5  </head>
6  <body>
7  <h1>Write Your First Heading</h1>
8  <p>Write Your First Paragraph.</p>
9  </body>
10 </html>
```

<!DOCTYPE>: This tag specifies the type of document being used, which is HTML5 in this case.

<html>: This tag marks the beginning of the HTML document and encloses all the content in the document.

<head>: This tag is used to define the header section of the HTML document, which contains metadata such as the title of the document, links to stylesheets or scripts, and other information that is not displayed in the main content of the page.

<title>: This tag defines the title of the document that appears in the browser's title bar or tab.

<body>: This tag defines the main content of the HTML document that is visible to the user.

<h1>: This tag defines a level 1 heading, which is the largest and most prominent heading in the document.

<p>: This tag defines a paragraph of text, which is used to display blocks of text in the document.

2.Text Editor(Notepad) and (vscode) and its use cases

Notepad is a basic text editor that is useful for simple text-based tasks, while VSCode is a powerful editor designed for developers working on complex software projects.

Notepad Use cases:

- Writing simple notes
- Creating HTML or CSS files
- Editing configuration files
- Removing formatting from copied text

VS Code Use cases:

- Developing software applications
- Writing code in various programming languages
- Debugging and testing code
- Collaborating with other developers using Git
- Extending functionality with extensions
- Customizing the editor to suit specific needs

3.Building blocks of html(Tags, Attribute)

Syntax:

`<tag name attribute_name=" attr_value"> content </ tag name>`

Example:

```
1    <!DOCTYPE html>
2    <html>
3      <head>
4        <title>The basic building blocks of HTML</title>
5      </head>
6      <body>
7        <h2>The building blocks</h2>
8        <p>This is a paragraph tag</p>
9        <p style="color: red">The style is attribute of
10     paragraph tag</p>
11        <span>The element contains tag, attribute and
12     content</span>
      </body>
    </html>
```

4.Formatting tags

Bold Text:

```
1    <!DOCTYPE html>
2    <html>
3      <head>
4        <title>The basic building blocks of HTML</title>
5      </head>
6      <body>
7        <p><b>This is a bold text</b></p>
8      </body>
9    </html>
```

Strong tag:

```
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <title>The basic building blocks of HTML</title>
5    </head>
6    <body>
7      <p><strong>This is a strong text</strong></p>
8    </body>
9  </html>
```

Italic Text:

```
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <title>The basic building blocks of HTML</title>
5    </head>
6    <body>
7      <p><i>This is a italic text</i></p>
8    </body>
9  </html>
```

HTML Marked formatting:

```
1      <!DOCTYPE html>
2      <html>
3          <head>
4              <title>The basic building blocks of HTML</title>
5          </head>
6          <body>
7              <h2>I want to put a <mark>Mark</mark> on
8  your face</h2>
9          </body>
        </html>
```

Underlined Text:

```
1      <!DOCTYPE html>
2      <html>
3          <head>
4              <title>The basic building blocks of HTML</title>
5          </head>
6          <body>
7              <h2>I want to <u>Underline the
8  text</u></h2>
9          </body>
        </html>
```

Superscript Text:

```
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <title>The basic building blocks of HTML</title>
5    </head>
6    <body>
7      <p>Hello <sup>Write your first paragraph in
8  superscript</sup></p>
9    </body>
   </html>
```

Subscript Text:

```
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <title>The basic building blocks of HTML</title>
5    </head>
6    <body>
7      <p>Hello <sub>Write your first paragraph in
8  subscript</sub></p>
9    </body>
   </html>
```

Larger Text:

```
1  <p>Hello <big>Write the paragraph in larger
   font</big></p>
```

Smaller Text:

```
1 <p>Hello <small>Write the paragraph in smaller  
font</small></p>
```

HTML Heading:

```
1 <!DOCTYPE html>  
2 <html>  
3 <head>  
4 <title>The Heading element</title>  
5 </head>  
6 <body>  
7 <h1>Heading no 1</h1>  
8 <h2>Heading no 2</h2>  
9 <h3>Heading no 3</h3>  
10 <h4>Heading no 4</h4>  
11 <h5>Heading no 5</h5>  
12 <h6>Heading no 6</h6>  
13 </body>  
14 </html>
```

HTML Paragraph:

```
1 <!DOCTYPE html>  
2 <html>  
3 <head>  
4 <title>The Paragraph element</title>  
5 </head>  
6 <body>
```



```
7         <p>Bangladesh is a beautiful country. We love our
8 country. There have six seasons in Bangladesh</p>
9     </body>
    </html>
```

HTML Phrase Tag:

Text Abbreviation tag:

```
1     <!DOCTYPE html>
2     <html>
3         <head>
4             <title>The Abbreviation Tag</title>
5         </head>
6         <body>
7             <p>This is an <abbr title="Hypertext Markup
8 language">HTML</abbr>tag</p>
9         </body>
    </html>
```

Address Tag:

```
1     <!DOCTYPE html>
2     <html>
3         <head>
4             <title>The Address Tag</title>
5         </head>
6         <body>
7             <address>You can ask your queries by
8 contact us on <a
9 href="">example@gmail.com</a> <br>
10 you can also visit at: <br> H#18, Sonargaon
```

```
Janapath Road, Sector 11, Uttara,  
Dhaka</address>  
</body>  
</html>
```

Anchor Tag:

```
1      <!DOCTYPE html>  
2      <html>  
3      <head>  
4      <title>Anchor Tag</title>  
5      </head>  
6      <body>  
7  
8      <h2>Anchor Tag</h2>  
9  
10     <p><a  
11     href="https://www.google.com/">Google</a> </p>  
12     >  
13  
      </body>  
      </html>
```

HTML Images:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      </head>
5      <body>
6
7      <h2>HTML Image</h2>
8      
10     </body>
11     </html>
```

HTML Lists:

Unordered List:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      </head>
5      <body>
6
7      <h2>An unordered HTML list</h2>
8
9      <ul>
10     <li>Coffee</li>
11     <li>Tea</li>
12     <li>Milk</li>
13 </ul>
14
15 </body>
16 </html>
```

Unordered list:disc

```
1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <h2>Unordered List with Disc Bullets</h2>
6
7      <ul style="list-style-type:disc;">
8          <li>Coffee</li>
9          <li>Tea</li>
10         <li>Milk</li>
11     </ul>
12
13     </body>
14     </html>
```

Unordered list:circle

```
1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <h2>Unordered List with Disc Bullets</h2>
6
7      <ul style="list-style-type:circle;">
8          <li>Coffee</li>
9          <li>Tea</li>
10         <li>Milk</li>
11     </ul>
12
```

```
13      </body>
14      </html>
```

Unordered list:square

```
1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <h2>Unordered List with Disc Bullets</h2>
6
7      <ul style="list-style-type:square;">
8          <li>Coffee</li>
9          <li>Tea</li>
10         <li>Milk</li>
11     </ul>
12
13     </body>
14     </html>
```

Unordered list:none

```
1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <h2>Unordered List with Disc Bullets</h2>
6
7      <ul style="list-style-type:none;">
8          <li>Coffee</li>
```

```
9         <li>Tea</li>
10        <li>Milk</li>
11    </ul>
12
13    </body>
14    </html>
```

Ordered List:

```
1    <!DOCTYPE html>
2    <html>
3    <body>
4
5    <h2>An ordered HTML list</h2>
6
7    <ol>
8        <li>Coffee</li>
9        <li>Tea</li>
10       <li>Milk</li>
11    </ol>
12
13    </body>
14    </html>
```

Ordered List :type number:

```
1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <h2>Ordered List with Numbers</h2>
6
7      <ol type="1">
8          <li>Coffee</li>
9          <li>Tea</li>
10         <li>Milk</li>
11     </ol>
12
13     </body>
14     </html>
```

Ordered List :type Uppercase:

```
1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <h2>Ordered List with Uppercase</h2>
6
7      <ol type="A">
8          <li>Coffee</li>
9          <li>Tea</li>
10         <li>Milk</li>
11     </ol>
12
13     </body>
14     </html>
```

Ordered List :type Lowercase:

```
1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <h2>Ordered List with Lowercase</h2>
6
7      <ol type="a">
8          <li>Coffee</li>
9          <li>Tea</li>
10         <li>Milk</li>
11     </ol>
12
13     </body>
14     </html>
```

Ordered List :type Uppercase Roman:

```
1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <h2>Ordered List with Uppercase Roman</h2>
6
7      <ol type="I">
8          <li>Coffee</li>
9          <li>Tea</li>
10         <li>Milk</li>
11     </ol>
```



```
12
13     </body>
14     </html>
```

Ordered List :type Lowercase Roman:

```
1     <!DOCTYPE html>
2     <html>
3     <body>
4
5     <h2>Ordered List with Lowercase</h2>
6
7     <ol type="i">
8         <li>Coffee</li>
9         <li>Tea</li>
10        <li>Milk</li>
11    </ol>
12
13    </body>
14    </html>
```

Nested HTML Lists:

```
1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <h2>A Nested List</h2>
6      <p>Lists can be nested (list inside list):</p>
7
8      <ol>
9          <li>Coffee</li>
10         <li>Tea
11             <ol>
12                 <li>Black tea</li>
13                 <li>Green tea</li>
14             </ol>
15         </li>
16         <li>Milk</li>
17     </ol>
18
19     </body>
20     </html>
```

HTML Table:

```
1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <h2>TR elements define table rows</h2>
6
7      <table>
8          <tr>
9              <td>Emil</td>
10             <td>Tobias</td>
11             <td>Linus</td>
12         </tr>
13         <tr>
14             <td>16</td>
15             <td>14</td>
16             <td>10</td>
17         </tr>
18     </table>
19
20
21
22     </body>
23 </html>
```

HTML Forms:

```
1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <h2>Text input fields</h2>
6
7      <form>
8          <label for="fname">First name:</label><br>
9          <input type="text" id="fname" name="fname"
10 value="John"><br>
11          <label for="lname">Last name:</label><br>
12          <input type="text" id="lname" name="lname"
13 value="Doe">
14      </form>
15
16      </body>
17      </html>
```

Form: Radio Button:

```
1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <h2>Radio Buttons</h2>
6
7      <p>Choose your favorite Web language:</p>
8
9      <form>
10         <input type="radio" id="html" name="fav_language"
11 value="HTML">
12         <label for="html">HTML</label><br>
```

```
13     <input type="radio" id="css" name="fav_language"
14 value="CSS">
15     <label for="css">CSS</label><br>
16     <input type="radio" id="javascript"
17 name="fav_language" value="JavaScript">
18     <label for="javascript">JavaScript</label>
19 </form>
    </body>
    </html>
```

Form: CheckBoxes:

```
1     <!DOCTYPE html>
2     <html>
3     <body>
4
5     <h2>Checkboxes</h2>
6
7     <form action="/action_page.php">
8         <input type="checkbox" id="vehicle1" name="vehicle1"
9 value="Bike">
10         <label for="vehicle1"> I have a bike</label><br>
11         <input type="checkbox" id="vehicle2" name="vehicle2"
12 value="Car">
13         <label for="vehicle2"> I have a car</label><br>
14         <input type="checkbox" id="vehicle3" name="vehicle3"
15 value="Boat">
16         <label for="vehicle3"> I have a boat</label><br><br>
17         <input type="submit" value="Submit">
18     </form>
    </body>
    </html>
```

