

*HTML Basics

1. Explain the basic structure of an HTML page. Why is it important to follow this structure?

->This is the basic structure of an HTML page.

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>-----</title>
  </head>
  <body>
  </body>
</html>
```

HTML stands for Hypertext markup language. It gives structure to web pages . It contains texts which are known as tags and tags are understandable for browsers. That's why it's important to follow this HTML basic structure to design any web pages.

2. You're building a small personal profile page. Which HTML tags will you use to highlight your name as a heading, describe yourself in a paragraph, and emphasize a key skill?

->Whenever we are building any personal profile we should use <mark>---</mark> tag inside the <h1>-----</h1> tag to highlight the name.

I have written an example below regarding the uses of mark tags.

Example:-

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Profile page</title>
  </head>
  <body>
    <p>
      <h1><mark>Muskan</mark></h1>
    </p>
  </body>
</html>
```

Output:-

Muskan

3. Look at the code below. Can you find and fix the mistake?

```
<!-- This is an HTML comment  
<h1>Welcome to my website</h1>
```

->Whenever we use any comment in HTML it will not display that on the screen.

We have to write the comment inside <!-->

On the above code HTML code is not closed

Correct code is:-

```
<!-- This is an HTML comment -->  
<h1>Welcome to my website</h1>
```

4. You're creating a form that asks the user to enter their name, select their country from a list, and click a button to submit. Write the HTML code for this.

```
<!DOCTYPE html>  
<html lang="en">  
<body>
```

```
<h2>HTML Forms</h2>
```

```
<form action="/action_page.php">  
  <label for="name">Name:</label><br>  
  <input type="text" id="name" name="name"></br>  
  <label for="Country">Country:</label><br>  
  <select id="country" name="country">  
    <option value="India">India</option>  
    <option value="Germany">Germany</option>  
    <option value="UK">USA</option>  
    <option value="UK">UK</option></br>  
  </select>  
  <input type="submit" value="Submit">  
</form>
```

```
<p>If you click the "Submit" button, the form-data will be sent to a page </p>
```

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

5. Write short HTML code to show your favorite fruits in a bulleted list and your top 3 programming languages in a numbered list.

```
<!DOCTYPE html>
```

```
<html lang="en">
<body>
<b>
<h2> Favorite fruits</h2>
</b>
<ul>
  <li>Mango</li>
  <li>Grapes</li>
  <li>Apple</li>
</ul>
<b>
<h2> Programming languages</h2>
</b>
<ol>
  <li>HTML</li>
  <li>CSS</li>
  <li>Javascript</li>
</ol>

</body>
</html>
```

6. Ravi wants to leave a note in his HTML file so that only other developers can see it, not the users on the website. How should he do this? Why are such notes useful?

```
<!DOCTYPE html>

<html lang="en">

<body>

<!-- This is a comment not visible for users -->

<p>This is a paragraph.</p>

<!-- Comments are not displayed in the browser -->

</body>

</html>
```

7. Here's a form snippet. Can you spot the error and rewrite the correct version?

->Correct code is given below

```
<form>
```

```
<input name="email">
```

```
<select>
```

```
<option>India</option>
```

```
</select>
```

```
<button>Send</button>
```

```
</form>
```