

Assignment Code: FSD-AG-001

HTML Basics | Assignment

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

Answer :

```
<!DOCTYPE html>
<html>
<head>
<title>My Page</title>
</head>
<body>
<h1>This is heading</h1>
</body>
</html>
```

<!DOCTYPE html>:- Declare the document type and tell the browser it's written in html5.

<html></html>:- This is a root element of all tags written inside the html tag.

<head></head>:- It contains information about the page for example:meta tag ,title tag,link tag.

<body></body>:- There we write data and interact , it's visible on the webpage.

Importance of structuring:-

Standardization,Proper Browser Rendering ,SEO Friendly,Error Reduction,Easy Maintenance.

Standardization:- Ensure that the webpage works consistently across all browsers.

Proper Browser Rendering :- When correct structure is followed The browser knows which part is head and which part is body they correctly render webpage without break.

SEO Friendly:-When google read html code to understand webpage its help to search to find the content fastly.

Easy Maintenance:-It's easy to understand by developer debug and error occurs and modify in future.

Question 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?

Answer:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Profile Page</title>
</head>
<body>
<h1>Ayushi Singh</h1>
<p>I am a Computer Science Student with a strong interest in web development and problem solving. I enjoy learning new technologies and improving my coding skills through regular practice.</p>
<p>My key skills is <strong>Problem Solving</strong></p>
</body>
</html>
```

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

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

Answer:

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

Question 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.

Answer:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Document</title>
</head>
<body style="text-align: center;">
    <form style="font-size: 30px; font-weight: 1.2em;">
        <fieldset>
            <legend>Profile Page</legend>
            <label for="Username">Enter the name :</label>
```

```

<input type="text" name="Username" id="Username">
<br>
<label for="countryname">Select Country:</label>
<input list="countryname">
<datalist id="countryname">
    <option value="India">India</option>
    <option value="United States">United States</option>
    <option value="United Kingdom">United Kingdom</option>
    <option value="Canada">Canada</option>
    <option value="Australia">Australia</option>
    <option value="Germany">Germany</option>
</datalist>
<br>
<input type="button" value="Submit" style="width: 100px;
height: 30px; background-color: black; color: white;">
</fieldset>

</form>
</body>
</html>

```

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

Answer:

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <h1>My favorite fruits</h1>
    <ul>
        <li>Mango</li>
        <li>Banana</li>
        <li>Orange</li>
        <li>Apple</li>
        <li>Strawberry</li>
    </ul>

```

```
<h1>Top programming languages</h1>
<ol>
    <li>C++</li>
    <li>Python</li>
    <li>Java</li>
</ol>
</body>
</html>
```

Question 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?

Answer:

<!--This is comment-->

By comments in html Ravi can leave a note for other developers in a file because its useful in future when we want change in any section and find out why code is written here and what code is written here.

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

```
<form>
<input name="email">
<select>
<option>India</option>
</select>
<button>Send</buton>
```

</form>

Answer:

```
<form>
<input name="email">
<select>
<option>India</option>
</select>
<button>Send</button>
</form>
```