

Assignment Code: FSD-AG-001

HTML Basics | Assignment

Instructions: Carefully read each question. Use Google Docs, Microsoft Word, or a similar tool to create a document where you type out each question along with its answer. Save the document as a PDF, and then upload it to the LMS. Please do not zip or archive the files before uploading them. Each question carries 20 marks.

Total Marks: 140

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

Answer:

HTML(**H**yper **T**ext **M**arkup **L**anguage) is fundamental for creating websites. Most of the users use HTML. HTML is like a *skeleton* for developing websites. It gives a basic structure for developing. The basic structure of an HTML page is

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document Title</title>
</head>
<body>
  <!-- Content visible to the user goes here -->
</body>
</html>
```

HTML is important to follow this structure because it organizes content into meaningful and easy to *understand* and *readable* to users and easy to *display*.

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:

<h1></h1> tags are used for heading.

<p></p> tags are used for paragraphs.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>personal profile</title>
</head>
<body>
  <h1>G.Puneeth Reddy</h2>
  <h2>About Me:</h2>
  <p>I am pursuing Btech 3rd year from MVSR Engineering College in Nadargul Hyderabad and
interested in programming and in developing websites and now I'm learning FSD from PW Skills.</p>
  <h3>Skills:</h3>
  <ul>
    <li>HTML</li>
    <li>CSS</li>
    <li>Java Script</li>
  </ul>
</body>
</html>
```

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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:

In above code, Single line comments are used for commenting. In comment *closing tag* is not closed
Syntax: **<!--Single line comment -->**

Correct Code:

<!--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</title>
</head>
<body>
  <h1>Form</h1>
  <form action="#" method="post">
    <label for="name">Name:</label>
    <input type="text" id="name" name="name" placeholder="Enter your name" /><br></br>
    <label for="country">Country:</label>
    <select id="country" name="country" required>
      <option value="">Please select your country</option>
      <option value="indian">Indian</option>
      <option value="american">American</option>
      <option value="russian">Russian</option>
      <option value="chinese">Chinese</option>
    </select><br></br>
    <button type="submit">Submit</button>
  </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</title>
</head>
<body>
  <h3>Favourite Fruits:</h3>
  <ul>
    <li>Mango</li>
    <li>Apple</li>
    <li>Grapes</li>
  </ul>
  <h3>Top 3 Programming Languages:</h3>
  <ul>
    <li>C</li>
    <li>Python</li>
    <li>Java</li>
  </ul>
</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:

Ravi can do this by writing *comments*.

syntax: <!--this code is for only developers -->

Notes are important because it helps in giving instructions for other developers and it is easy to read and *ignored* by the browser so the website cannot see.

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:

3



The error is in closing tag of button

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

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