

Assignment 2

Getting Started With HTML

1. Write a simple program in HTML that displays the heading "HTML defines the content and structure of your website" on the web browser\$

—> [code file](#)

```
<!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>
  <header>

  </header>
  <main>
    <h1>HTML defines the content and structure of
      your website</h1>
  </main>
  <footer>

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

- 2.Explain the purpose of comments in HTML and provide an example of how to use comments in an HTML document.

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The purpose of comments in code of any kind is a very logical one, comments are used to create a little memory note in between the lines of code which describes or tells us the purpose code or what the code is doing. This becomes very useful when we go back to review our own code or some other person in the company is reviewing our code.

3. Write an HTML program that includes a heading, a paragraph of text, a horizontal line, and a line break. Arrange these elements to create a simple web page layout.

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Click for code file —> [CodeFile](#)

```
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<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <header>

  </header>
  <main>
    <!--First thing to write in any document is the heading of the
topic.
    To write heading in html document, heading tags from h1 to h6 are
used
    eg <h1></h1> -->

    <h3>TO WORK CONSISTENTLY</h3> <!-- this is heading-->

    <p>
      Working consistently is the key to achieving long-term
success in any field.
      It builds discipline, improves skills, and ensures steady
progress toward goals.
```

When you work consistently, you develop good habits that make tasks easier over time,
reducing procrastination and last-minute stress. Even small efforts, when done regularly,
lead to significant results.
Consistency also helps in maintaining motivation and overcoming challenges,
as it creates a routine that keeps you focused and productive.

</p> <!--This is paragraph using p tag-->

<hr> <!--This is horizontal line-->

 Lorem ipsum dolor sit, amet consectetur adipisicing elit.
 Ab placeat accusantium perferendis cumque inventore facilis
distinctio deserunt
 eos doloribus eum nam omnis voluptate obcaecati, labore
laborum nobis. Nihil, eaque esse?

 <!--br tag is used for line break. it has been used in this
html document in between to span tags
 which are inline elements and br tag is dividing them into
two seperate lines-->

 Lorem ipsum dolor sit amet consectetur adipisicing elit.
 Dolore, tempore quam vero consectetur, praesentium eum
 , quas aperiam rem quidem dicta non velit placeat ipsam quo!
Dolore eveniet est enim impedit?

</main>

<footer>

</footer>

</body>

</html>

4. Write a short note on Tag and element with an example.

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In HTML, a tag is a keyword enclosed in angle brackets (< >) that defines the structure and behavior of content. Tags usually come in pairs: an opening tag (e.g., <p>) and a closing tag (e.g., </p>), except for self-closing tags like
 or .

An element consists of a start tag, content (if applicable), and an end tag. It represents a complete structure in an HTML document.

eg:

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

<p> is the opening tag.

This is a paragraph. is the content.

</p> is the closing tag.

Together, they form a paragraph element.

5. What is the DOCTYPE Declaration in HTML?

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The DOCTYPE declaration in HTML (<!DOCTYPE html>) defines the document type and version of HTML being used. It helps the web browser render the page correctly by specifying that the document follows HTML5 standards.

In modern web development, <!DOCTYPE html> is used for HTML5, ensuring proper rendering across different browsers. It is not an HTML tag but an instruction to the browser.