

# Sep 02

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

**Answer-**

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>PW</title>

</head>

<body>

    <h1>PW Skills</h1>

</body>

</html>
```

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

**Answer-** Comments in HTML are used to leave notes or explanations within the code, which can be helpful for anyone reading the code later. Comments do not affect how the HTML is

rendered in the browser. They are ignored by the browser.

Example of a comment in HTML:

```
<!-- This is a comment -->

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

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

**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:**

**Answer -**

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Web Page Layout</title>

</head>

<body>

    <h1>Welcome to My Web Page</h1>

    <p>This is a simple paragraph to demonstrate the structure of a web page.
</p>

    <hr>

    <p>This paragraph appears after a horizontal line and a line break.</p>
```

```
<br>

<p>Another paragraph after a line break.</p>

</body>

</html>
```

#### 4. Write a short note on Tag and Element with an example:

**Answer-** In HTML, a tag is a keyword enclosed in angle brackets that defines how content should be structured or displayed. An element consists of a start tag, content, and an end tag. Some elements are self-closing.

Example:

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

Here, `<p>` is the start tag, `</p>` is the end tag, and "This is a paragraph element." is the content.

#### 5. What is the DOCTYPE Declaration in HTML:

**Answer** - The DOCTYPE declaration is an instruction to the web browser about what version of HTML the page is written in. It ensures that the browser renders the page correctly. The DOCTYPE declaration should be the very first thing in an HTML document, before the `<html>` tag.

Example:

```
<!DOCTYPE html>
```

In HTML5, the DOCTYPE declaration is simple and case-insensitive. It helps the browser to render the page in standards mode.