

Assignment - 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?

Ans-

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Qusetion1</title>
7 </head>
8 <body>
9   <h1 style="color: blue">HTML defines the content and structure of your website</h1>
10 </body>
11 </html>
```



HTML defines the content and structure of your website

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

Ans- **Comments** allow developers to document their code, providing explanations or reminders for themselves or others who might work with the code in the future. This helps improve code readability and understanding.

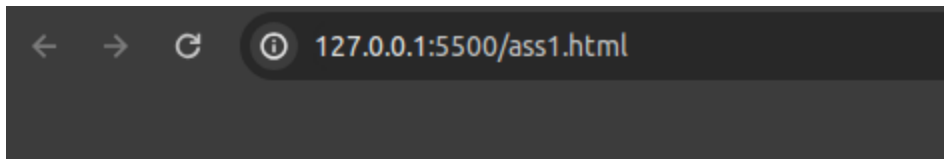
Comments can be used to temporarily remove or disable code without deleting it entirely. This is useful for debugging and testing purposes, allowing developers to isolate and troubleshoot specific sections of code.

Here's an example of how to use comments in an HTML document:

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Example HTML Document</title>
7  </head>
8  <body>
9      <!-- This is a comment. It won't show up on the webpage. -->
10     <h1>Welcome to My Website!</h1>
11
12     <p>This is a paragraph about something interesting.</p>
13
14     <!--
15         This is another comment.
16         Comments can span multiple lines.
17     -->
18
19     <p>Another paragraph with some important information.</p>
20 </body>
21 </html>
22

```



Welcome to My Website!

This is a paragraph about something interesting.

Another paragraph with some important information.

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?

Ans-

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Simple Web Page Layout</title>
7 </head>
8 <body>
9   <h1 style="color: rgb(245, 24, 61)">Welcome to My Website</h1>
10
11   <p style="color: blue;">This is a paragraph of text. It might contain some information about the website
12
13   <hr>
14
15   <br>
16
17   <p style="color: orange;">Thank you for visiting!</p>
18 </body>
19 </html>
20

```



Welcome to My Website

This is a paragraph of text. It might contain some information about the website or something interesting.

Thank you for visiting!

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

Ans- A **tag** is a special set of characters that are used to mark up or define the structure and content of a webpage. Tags are enclosed in angle brackets < >. An **element** consists of an opening tag, content, and a closing tag.

Here's a breakdown of each component:

Opening Tag: This is the first part of an element and is enclosed in angle brackets. It marks the beginning of the element's content and usually contains the name of the element. For example, <p> is the opening tag for a paragraph element.

Content: This is the actual content of the element, such as text, images, or other elements.

Closing Tag: This is the last part of an element and is also enclosed in angle brackets. It marks the end of the element's content and usually contains a forward (" / ") followed by the name of the element. For example, `</p>` is the closing tag for a paragraph element.

Here's an example of a element:

`<p>This is a paragraph of text.</p>`

Above, `<p>` is the opening tag. " This is a paragraph of text. " is the content and `</p>` is the closing tag.

Together, they form a complete paragraph element, which is used to display a paragraph of text on a webpage.

5. What is the DOCTYPE Declaration in HTML?

Ans The `DOCTYPE` declaration in HTML (short for Document Type Declaration) is an instruction that specifies the version of HTML being used in the document and helps the web browser render the page correctly. It's typically the first line in an HTML document and is written as `<!DOCTYPE html>` for HTML5.

The **'DOCTYPE' declaration informs the web browser about the document type and version,** allowing it to apply the appropriate parsing rules and rendering mode. This helps ensure consistency and compatibility across different browsers.