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Module :18 practice Set

Github link of code:

-----PRACTICE SET:01-----

Question:

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:

CODE:

```
prectice_set_1 > <> p1.html > html > body
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>HTML Example</title>
7  </head>
8  <body>
9  |   <h1>HTML defines the content and structure of your website:</h1>
10 </body>
11 </html>
12
```

OUTPUT:



HTML defines the content and structure of your website:

Question 2:

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

Answer:

Purpose of Comments in HTML

Comments in HTML are used to insert notes or annotations in the code that will not be displayed on the web page when viewed in a browser. These comments are useful for:

- 1. Documentation:** Providing explanations or notes about the code, making it easier for others (or yourself) to understand later.
- 2. Debugging:** Temporarily disabling code without deleting it, which can help in troubleshooting issues.
- 3. Organization:** Structuring the code with comments can help in navigating through complex HTML documents.

prectice_set_1 > <> p2.html > ...

```
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>HTML with Comments</title>
7  </head>
8  <body>
9      <!-- This is a heading -->
10     <h1>HTML defines the content and structure of your website:</h1>
11
12     <!-- This is a paragraph -->
13     <p>This paragraph explains the purpose of HTML in web development.</p>
14
15     <!-- This section is for future development -->
16     <!-- <section>
17         <h2>Upcoming Features</h2>
18         <p>Details about new features will go here.</p>
19     </section> -->
20 </body>
21 </html>
22
```

Question:3

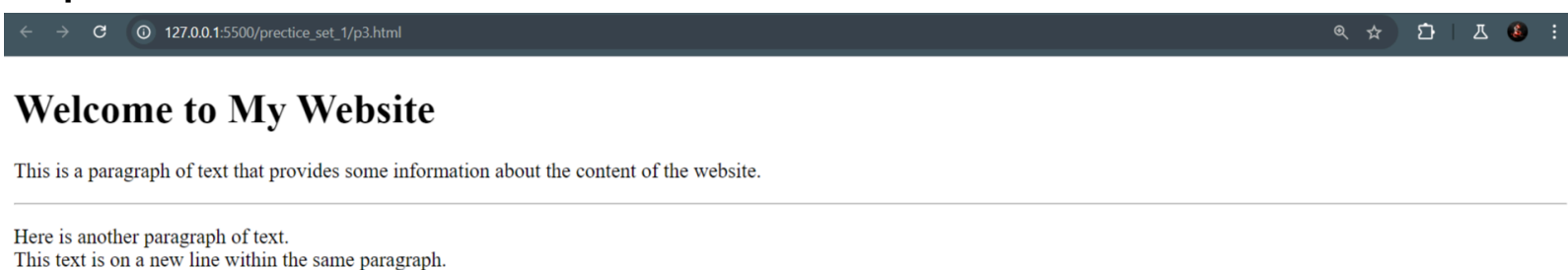
3. Write an HTML program that includes a heading, a paragraph of text, a horizontal line, and a line break.
Arrange these elements to create a simple web page layout?

Solution:

Code:

```
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>Welcome to My Website</h1> <!-- Heading -->
10
11      <p>This is a paragraph of text that provides some information about the content of the website.</p> <!-- Paragraph -->
12
13      <hr> <!-- Horizontal Line -->
14
15      <p>Here is another paragraph of text.<br> <!-- Line Break -->
16      This text is on a new line within the same paragraph.</p>
17  </body>
18  </html>
19
```

Output:



Question:4

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

Answer:

Tags

Tags are the fundamental building blocks of an HTML document. They define the structure and content of the web page. An HTML tag consists of the tag name enclosed in angle brackets, like **<tagname>**. Tags usually come in pairs: an opening tag **<tagname>** and a closing tag **</tagname>**, with the content in between.

Elements

An element in HTML is a complete set of tags along with the content inside them. It represents a part of the document structure and content. An element typically includes

an opening tag, content, and a closing tag. Some elements can be empty (self-closing) and do not have closing tags.

Question:5

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 web page is rendered correctly and consistently across different browsers. The DOCTYPE declaration is not an HTML tag; rather, it is an instruction to the web browser.