1. **Write a simple program in HTML that display the heading "HTML defines the Content and structure of your website "on the Web browser.**

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

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

The comment tag is used to insert comments in the source code, which is not displayed in browser. We can use comment to explain our codes.

Comments are enclosed within <!-- and -->

Example:

<! Doctype html >

        <html>

        <head>

                <title> HTML Sample</title>

         </head>

        <body>

                <h1> Welcome to HTML </h1>

                <!-- <p> This is the sample program of HTML</p> -->

        </body>

        </html>

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

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Simple Web Page </title>
```

```
</head>
<body>
    <h1>This is the simpale web page layout</h1>
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Eius eum nisi
sapiente ipsam iste, autem beatae, officiis qui natus eveniet maxime ea, velit
impedit saepe quod accusamus exercitationem assumenda fugiat!</p>
    <hr>
    <br>
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Cupiditate,
eligendi.</p>

</body>
</html>
```

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

Tags and elements are fundamental components used to structure and format web content.

Tag:

Tags are the markup symbols used in HTML to define elements within a web page. its consist of an opening tag, content, and a closing tag.

Example: <p> < /p> tag used to define the paragraph element, here <p> is the opening tag and </p> is the closing tag .

Element:

The HTML element is everything from the start tag to the end tag.

Example: <h1> My Simple web page </h1>

The <h1> elements define the heading, it has start tag <h1> and end tag</h1>

<p> this will be the first paragraph </p>

The <p> element define the paragraph, it has a start tag <p> and end tag </p>

5. What is DOCTYPE declaration in HTML?

All HTML documents must start with a <!DOCTYPE> declaration., The declaration is not an HTML tag. It is an "information" to the browser about what document type to expect. In HTML 5, the declaration is simple <!DOCTYPE html>