

1. Write a simple program in HTML that display the heading "HTML defines the content and structure of your website" on a 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>Document</title>
</head>
<body>
  <h1>HTML defines the content and stucture of your website</h1>
</body>
</html>
```

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

Answer:- we can add comments to our HTML source by using the following syntax:

```
<!--comments -->
```

With comments you can place notifications and reminders in your HTML code, Comments can be used to hide content.

This can be helpful if we hide content temporarily, we can also hide more than one line.

Everything between the <!-- and the --> will be hidden from the display.

Example:-

```
<!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>
  <!--Sample program to display the heading-->

  <h1>HTML defines the content and stucture of your website</h1>
</body>
</html>
```

3. Write a HTML program that includes Heading a paragraph of text, a horizontal line and a line break. Arrange this 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>Document</title>
</head>
<body>
```

```
<!--Sample program to display the heading-->
<!-- heading-->
<h1>My first HTML program</h1>
<p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Nesciunt, iusto.</p>
<hr>
<br>
<p>Lorem ipsum dolor sit amet.</p>
</body>
</html>
```

4. Write a short note on tag and elements with example?

Answer:- tags:-HTML Tags are the starting and ending parts of an HTML element. They begin with < symbol and end with > symbol. Whatever is written inside < and > are called tags. example <b> is the starting tag and </b> is the ending tag.

Elements:- The HTML element consists of both the opening and closing tags as well as what's inside those tags.

```
<b>This is the content.</b>
```

5. What is the DOCTYPE Declaration in HTML?

Answer:- while writing any HTML code 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>

The <!DOCTYPE> declaration is NOT case sensitive.

Basically DOCTYPE declaration is an instruction to the web browser about what version of HTML the page is written in. This ensures that the web page is parsed the same way by different web browsers.