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- <!DOCTYPE html>

<html>
<head>
   <title>HTML Example</title>
</head>
<body>
   <h1>HTML defines the content and structure of your website</h1>
</body>
</html>
```

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

Ans- In HTML, comments are used to add explanations or more information within the code that are not rendered on the web page when it is viewed in a web browser. Comments are useful for future revision providing context, and making it easier for you and others to understand the purpose of specific elements or sections of code.

We can easily add comment just press ctrl key and / icon select text will comment out.

HTML comments are not visible or render on website visitors and are ignored by web browsers when rendering the page. They are enclosed within <! -- and --> tags.

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- <!DOCTYPE html>

<html>
<head>
   <title>Simple Web Page</title>
</head>
<body>
   <header>
      <h1>Welcome to My Web Page</h1>
   </header>
<p>This is a simple web <br> page with some content. </p>
 <hr>
 <p> Lorem ipsum dolor sit amet consectetur.</p>
 <hr>
 <p> Lorem ipsum dolor sit amet consectetur adipisicing elit. At possimus repellendus,
magni amet quas exercitationem voluptas dolorum error vitae? Iure.</p>
```

```
</body>
</html>
```

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

Ans- In HTML, tags and elements are fundamental components used to structure and define the content of a web page. They play a crucial role in organizing and formatting the content for display in web browsers.

HTML Tag- HTML tag is a keyword or code enclosed within angle brackets (<>) that defines an element's start and end or specifies a particular function within an HTML document.

Tags are used to mark-up content, indicating how it should be displayed or what kind of content it represents.

Example of HTML Tags are <p>---</p>, <h1>---</h1> etc.

5. What is the DOCTYPE Declaration in HTML?

Ans- The DOCTYPE declaration in HTML (short for Document Type Declaration) is a special instruction that is placed at the very beginning of an HTML document to specify which version of HTML (or other markup language) the document follows. It informs web browsers and validators about the type of markup language used in the document and helps ensure that the document is rendered and parsed correctly. <!DOCTYPE html>