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 Head Tag</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: Comments in html are used for notes, explanation etc. They are ignored by the browser and not displayed on the webpage. Comments are helpful to developers in many cases, especially when working in a team.
Example:

```
<!DOCTYPE html>
<html>
<head>
    <title>Html Head Tag</title>
</head>
<body>
    <!-- This is a Company's name -->
    <h1>Gandiv Technology</h1>
</body>
</html>
```

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>Html Heading Tag</title>
</head>
<body>
<div>
    <h1>This is a Heading Tag.</h1>
```

```
    <p> This is a Paragraph Tag.</br>
        Hello world. </p>
    </hr>
    <p> I'm a student of Full stack Development.</p>
 </div>
</body>
</html>
```

4. Write a short note on Tag and element with an example?
Ans:
- Tag: Tag is a part of HTML code. It is used to mark the start or end of an element. Tags are written between angle brackets. Some Tags are opening and closing Tag and some Tags are only opening tags because they are self-closing Tag.

    Example: 1. <p> </p>.
                2. <Img>

- Element: Element in HTML consists of start tag and content and end tag.

Example: <p>This is a paragraph.</p> here <p> is the start tag, 'This is a paragraph.' is the content, </p> is the end tag. This is a HTML Element.

5. What is the DOCTYPE Declaration in HTML?
Ans: The <!DOCTYPE html> declaration says the web browser which version of HTML is written in. The <!DOCTYPE html> declaration of the HTML5. The <!DOCTYPE html> is the first line of a html document.