1. **Write a simple program in HTML that displays the heading "HTML defines the content and structure of your website” on the web browser?**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>My first page</title>

</head>

<body>

    <h1>HTML defines the content and structure of your website.</h1>

</body>

</html>

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

The main purpose of the comments:

* To give the explanatory text to the code.
* Comments are used to understand the code by browser.
* Comments can be used to hide content
* Comments can be described as

<!-- Comment text here -- >

* Shortcut for comments is : (ctrl +/)

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Displaying Comments</title>

</head>

<body>

    <!-- I am a comment for h3 heading -->

    <h3>I am h3 heading</h3>

    <!-- I am a comment for paragraph -->

    <p>I am a paragraph</p>

</body>

</html>

1. **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?**

<!--

    sample with line break,heading,paragraph and horizontal rule

 -->

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Sample HTML</title>

</head>

<body>

    <h2>I am a sample H2 heading</h2>

    <p>I am a Paragraph</p>

    <!-- Horizontal rule between <p> Tag -->

    <hr>

    <p>I am a paragraph <br> with line break</p>

</body>

</html>

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

Html tags are important to build webpages.

Html tags are like keywords that how a browser will format and how the content on web page will be displayed.

HTML tag contains 3 parts:

* Opening tag/start tag
* Content
* Closing tag/end tag

Example:

<open tag>Content </close tag>

<h1>I am Content inside H1 tag </h1>

1. **What is the DOCTYPE Declaration in HTML?**

Doctype means Document Type Declaration, and helps the browser to display web pages correctly.

Declaration: <!DOCTYPE html>

It represents Html5 declaration

Doctype is declared at the top of the HTML page.

It is not case-sensitive.