**1.Define HTML. What is the purpose of HTML in web development?**

Ans. **HTML (HyperText Markup Language)** is the standard language used to create and structure web pages.

**Purpose in Web Development:**

* Structures content (text, images, links, etc.)
* Forms the backbone of all web pages
* Enables navigation through hyperlinks
* Works with CSS and JavaScript for design and interactivity

**2. Explain the basic structure of an HTML document. Identify the mandatory tags and their purposes.**

Ans. **Basic HTML Structure**

**Mandatory Tags and Their Purpose:**

* **<!DOCTYPE html>** – Defines the document as HTML5
* **<html>** – Root of the HTML document
* **<head>** – Contains page metadata (like title, links)
* **<title>** – Sets the browser tab title
* **<body>** – Holds the visible page content

**Ex:-**  
 <!DOCTYPE html>

<html>

<head>

<title>Page Title</title>

</head>

<body>

<!-- Page content goes here -->

</body>

</html>

**3. What is the difference between block-level elements and inline elements in HTML? Provide examples of each.**

Ans. **Block-level elements** start on a new line and take up the full width (e.g., <div>, <p>, <h1>).  
**Inline elements** stay within the line and take up only as much width as needed (e.g., <span>, <a>, <strong>).