



### Lab – 1

**Aim:** Understanding what is WWW, HTML, HTTP and URL; Basic structure of HTML Document; Creating an HTML Document; Understanding HTML Elements and Attributes; Headings; Paragraphs; Tags; Bold and Italic Texts; Whitespace in HTML; Horizontal and Vertical Line Breaks.

HTML Introduction, Editors, Basic Examples, Elements, Attributes, Headings, Paragraphs, Tags

[https://www.w3schools.com/html/html\\_intro.asp](https://www.w3schools.com/html/html_intro.asp)  
[https://www.w3schools.com/html/html\\_editors.asp](https://www.w3schools.com/html/html_editors.asp)  
[https://www.w3schools.com/html/html\\_basic.asp](https://www.w3schools.com/html/html_basic.asp)  
[https://www.w3schools.com/html/html\\_elements.asp](https://www.w3schools.com/html/html_elements.asp)  
[https://www.w3schools.com/html/html\\_attributes.asp](https://www.w3schools.com/html/html_attributes.asp)  
[https://www.w3schools.com/html/html\\_headings.asp](https://www.w3schools.com/html/html_headings.asp)  
[https://www.w3schools.com/html/html\\_paragraphs.asp](https://www.w3schools.com/html/html_paragraphs.asp)  
<https://www.w3schools.com/tags/default.asp>

### Assignment

- 1) What is WWW? Give the history of it in brief.
- 2) What is a web browser? List some well known web browsers.
- 3) What is a web server?
- 4) What is an HTTP protocol? Name any 10 most popular web related protocols and explain the purpose of each.
- 5) What are the functionalities of the web browser?
- 6) What is a website?
- 7) What is the difference between static and dynamic websites?
- 8) How can we say that the website is secure or not?
- 9) Give a list of editors for designing web pages.
- 10) Select any editor and tell why you have chosen the editor for web development.
- 11) How the communication between web browser and web server takes place?
- 12) Differentiate: desktop application, web application and mobile application
- 13) What is the role of HTML, CSS and JavaScript with respect to web development?
- 14) What is web hosting?
- 15) What is a domain name and its registration process?
- 16) What is DNS?
- 17) What is an IP address? What is the use of it?
- 18) What are URI and URL?
- 19) What is the difference between HTTP GET and PUT requests?
- 20) What are the different types of HTTP response status codes? Give 5 examples in detail of each category.



### Practice Questions

- 1) What is an HTML element, and how is it structured? Provide an example.
- 2) What are HTML attributes, and why are they used? List three common attributes.
- 3) What are HTML headings, and how are they categorized? List all heading levels with an example.
- 4) Write an HTML code snippet to create a webpage with the following structure:
  - A header section with the text "Welcome to HTML Basics".
  - A main section with a paragraph explaining the purpose of HTML.
  - A footer section with copyright information.
- 5) Explain the difference between id and class attributes. Provide examples in code.
- 6) Write HTML code to display the following structure:
  - A level-1 heading with the text "HTML Headings".
  - A level-3 heading with the text "Subheading Example".
  - A level-6 heading with the text "Smallest Heading".
- 7) What is the purpose of the <p> tag in HTML?
- 8) Can a paragraph contain inline elements like <strong> or <em>? Write an example demonstrating this.
- 9) Explain the difference between opening, closing, and self-closing tags with examples.
- 10) Differentiate between block-level tags and inline tags. Provide two examples for each.