



INFORMATION AND COMMUNICATION TECHNOLOGY

# WEB PROGRAMMING

I KOMANG SASRA WIARDANA

2115051021

Professional English B



SMK CLASS X/SEMESTER 1

LIVEWORKSHEETS

# BAB 1

## Basic HTML

- Understanding HTML
- Create a Basic HTML Structure
- Basic HTML elements

### Understanding HTML

HTML or Hypertext Markup Language is one of the formats used in creating documents and applications that run on web pages. Actually, documents

HTML is just a plain text document and is called as Markup Language is a language that contains certain signs (tags) that are used to set the format display of a document. The markup symbols used by HTML are marked with signs smaller ( < ) and greater ( > ) signs.

HTTP or Hypertext Transfer Protocol is the protocol used for transfer data or documents in HTML format from a web server to a browser (Internet Explorer, Netscape Navigator, NeoPlanet, etc.). With HTTP this is what allows you browsing the internet and viewing web pages.

To create an HTML document you only need a regular text editor application. However, nowadays there are lots of HTML authoring (software) on the market used to create or design web pages). But without knowing the basics you will not get maximum results. Why? Because even though This software increasingly offers convenience in creating web pages, but usually someone still needs to edit the web page manually. Especially for very complex web pages

### Reading 1

You are a budding website designer. Read the introduction about Sarah, a junior front-end web developer, and her journey into web development through HTML. Answer the following questions based on the information provided

“

Meet Sarah, a passionate junior front-end web developer eager to dive into the world of web design. Armed with a keen understanding of HTML—the foundational language for web development—she's enthusiastic about crafting engaging and user-friendly web pages. Sarah believes that mastering HTML's markup language, its tags, and their functions are the stepping stones to creating visually appealing and functional websites. Her journey into HTML began with learning the basic tags and their roles in structuring a webpage's content, paving the way for her to explore the complexities of web design.

”



## Question

1. What role does Sarah play in the field of web development?
2. Which foundational language is Sarah passionate about, and why is it important in web development?
3. According to the passage, what does Sarah believe is essential in mastering HTML for creating websites?
4. How did Sarah start her journey into HTML, and what did she initially learn?
5. What does Sarah aim to explore further in web design after learning HTML's basic tags?

## Create a Basic HTML Structure

## Language

### Describing Steps in a Process

Adverbs	
<b>First</b> , do....	<b>To start</b> , do ....
<b>After that</b>	<b>Next</b>
<b>Later</b>	<b>Secondly</b>
<b>Following</b>	<b>Subsequently</b>
<b>During</b>	<b>While</b>
	<b>To start</b> , do ....
	<b>Then</b>
	<b>Thirdly</b>
	<b>Finally/lastly</b>
	<b>Meanwhile</b>

## Listening 1



### Link Record

[https://drive.google.com/drive/folders/1yjREt0GfWzhb71OvywDuOT674ZoOXUHK?usp=drive\\_link](https://drive.google.com/drive/folders/1yjREt0GfWzhb71OvywDuOT674ZoOXUHK?usp=drive_link)

Listen and complete the steps of structure basic HTML

Next      First      After that  
Then      Secondly      Subsequently



1. .... , open the VS Code HTML application.
2. .... , create a new file by clicking on File > New File.
3. .... , write the HTML structure code by following the image guide or using code snippets accessed by pressing the "!" icon on your keyboard.
4. .... , save the HTML code by clicking on File > Save As.
5. .... , execute the HTML code by right-clicking on the file.
6. .... , view the result in your web browser.

## Basic HTML elements

1. **<!DOCTYPE html>**: This element specifies the HTML document type, indicating it as the latest version of HTML.
2. **<html>**: This element serves as the main framework of every web page. All HTML elements are enclosed within this tag.
3. **<head>**: This element contains information about the document such as the page title, metadata, and other necessary details. Information within the **<head>** tag isn't displayed on the web page itself.
4. **<title>**: This element is used to define the title of the web page, which appears in the browser's title bar or tab.
5. **<body>**: Within this element lies the primary content of the web page, including text, images, videos, and other elements intended for user viewing.
6. **<h1> - <h6>**: These heading elements are used to create titles or headings with varying levels of importance. **<h1>** being the most significant and **<h6>** the least.
7. **<p>**: This element is used to structure paragraphs of text on a web page.
8. **<a>**: The anchor element creates hyperlinks or links to other web pages or specific sections within the same page.
9. **<img>**: This element is used to display images on a web page.
10. **<ul>, <ol>, <li>**: These elements create lists—unordered lists with bullet points (**<ul>**), ordered lists with numbers or sequence (**<ol>**), and the elements representing each item in the list (**<li>**).

HTML Basic Tags



## Writing 1

Write a short paragraph comparing the use of three basic HTML elements—`<p>`, `<a>`, and `<img>`. Explain the purpose of each of these elements in creating a web page,

## Speaking 1

Mention and identify any elements or tags used in the GOJEK web section header, after that present in front class



[www.gojek.com](http://www.gojek.com)



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## Vocabulary

Find the word corresponding to the given question in the provided letter sequence, then cross out the word in the sequence and rewrite it in the column next to the respective question!

1. What is the term used in HTML to mark elements in a web document?
2. What HTML tag is used to display images in a web page?
3. What is the name for a computer that stores and provides web pages to users over the internet?
4. What is the abbreviation for the language that controls the appearance or styling of HTML elements in a web page?
5. What does the abbreviation HTML stand for in the context of creating web pages?
6. What is the process of designing the appearance and structure of a web page using HTML, CSS, and JavaScript?
7. What is the term that refers to the rules or procedures that govern the transfer of data between a server and a browser?
8. What term refers to an entire network of pages that can be accessed via the internet?
9. What is the name of an application or program that allows users to display and browse web pages?
10. The markup language used to create and format web pages is called?

## Reading 2

Read the following dialogue. and answer question 5 on quizziz

**Sasra:** "Hey, Rendi! How are you doing? I just started learning about HTML."

**Rendi:** "Hi, Sasra! I'm good, thank you. How's your experience learning HTML?"

**Sasra:** "It's interesting! I've just learned the basic elements, like the `<p>` tag for text paragraphs, `<a>` for links, and `<img>` for images."

**Rendi:** "Oh, that's cool! What else have you learned?"

**Sasra:** "I've also understood the importance of the `<head>` and `<body>` tags in the structure of a web page. The `<head>` tag contains information like the page title, while the `<body>` tag contains the displayed content."

**Rendi:** "Sounds fascinating! How do you implement it while creating a web page?"

**Sasra:** "It's simple, Rendi. Using the `<p>` tag, we can write text, `<a>` for linking to other pages, and `<img>` for displaying images. The `<head>` and `<body>` tags are written at the beginning of the HTML document for information and content."

1. What did Sasra learn about the `<p>`, `<a>`, and `<img>` tags in HTML?

- A. Writing page titles
- B. Elements for text formatting
- C. Layout arrangement for web pages
- D. Basic elements for text, links, and images

2. What's the function of the `<head>` tag in HTML?

- A. Storing the main content of the web page
- B. Displaying images on the web page
- C. Containing meta-information like the page title
- D. Creating hyperlinks or URLs

3. The HTML element used for writing text paragraphs is...

- A. `<a>`
- B. `<img>`
- C. `<head>`
- D. `<p>`

4. What does the `<body>` tag represent in HTML?

- A. The content displayed on the web page
- B. The main part of a paragraph
- C. Links connecting different web pages
- D. Storing meta-information like the page title

5. The HTML element used to display images is...

- A. `<img>`
- B. `<p>`
- C. `<head>`
- D. `<a>`