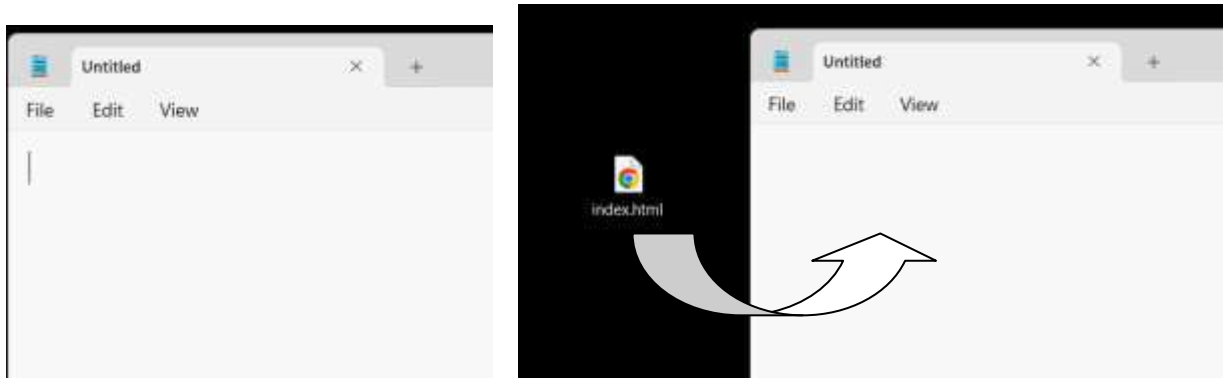


HTML Structure

Step 1: Open Notepad:

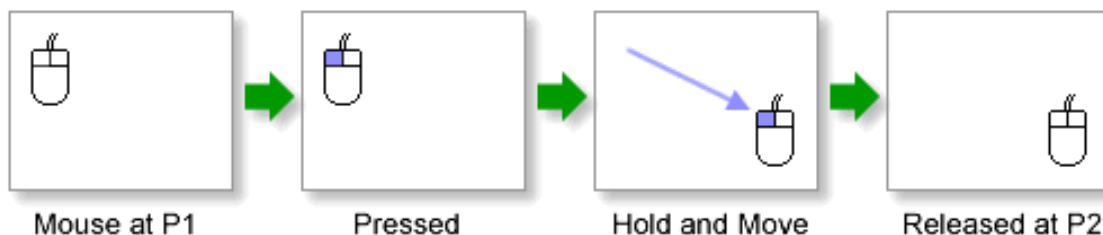
- Drag and drop the index.html file into Notepad, or open Notepad, locate the file index.html, and open it.
- We will be using this file throughout this course.



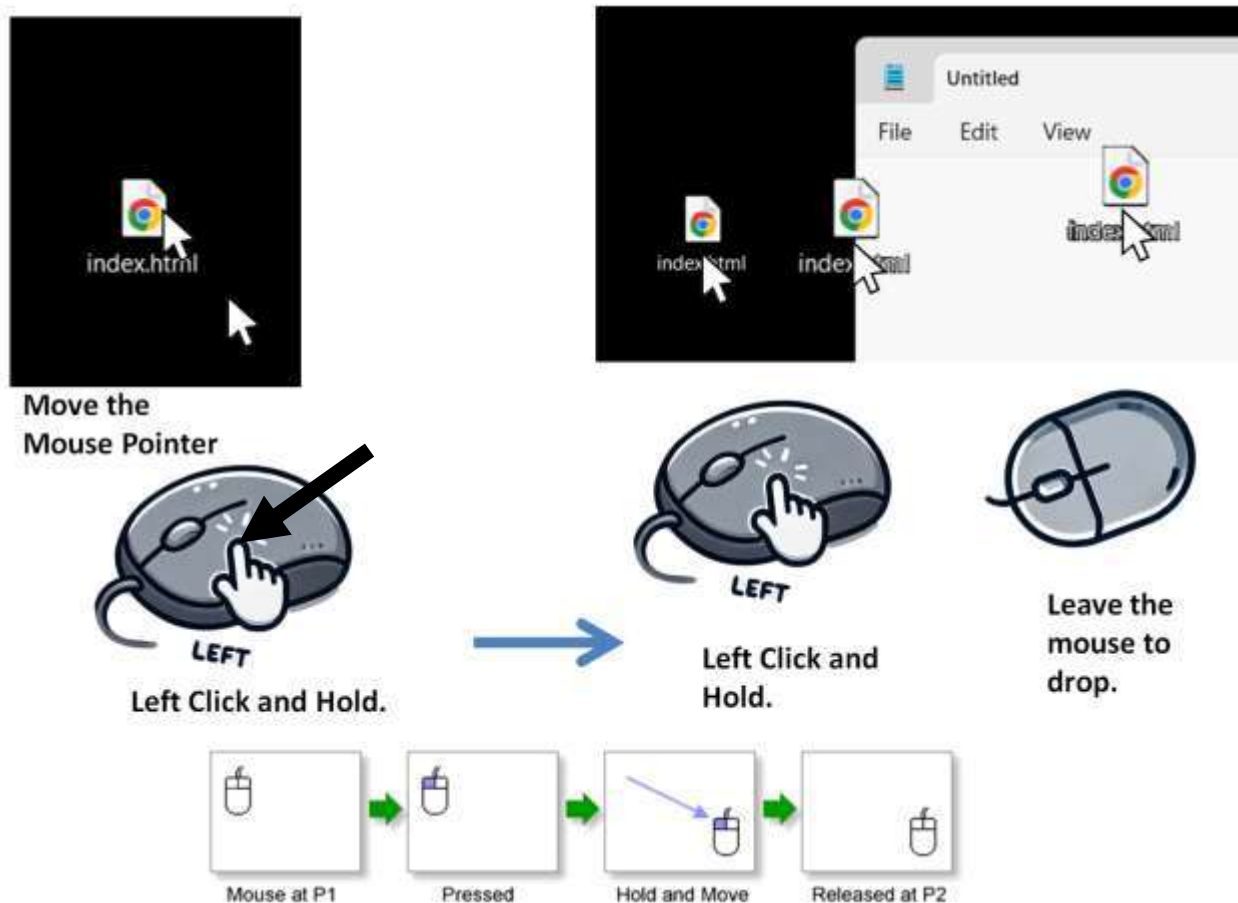
Click on Index.html and hold it with mouse and move your mouse to the notepad and drop it. Drag and drop and it is most important to learn about drag and drop with the mouse. See the steps below.

How to do Drag and Drop?

1. Click on the index.html with your mouse – Left Click
2. Hold the mouse and drag as shown below and release it to drop.



More explanation about Drag and Drop is below.



Watch this youtube video still if you are not understanding drag and drop. <https://www.youtube.com/watch?v=mmURrux3dh0>

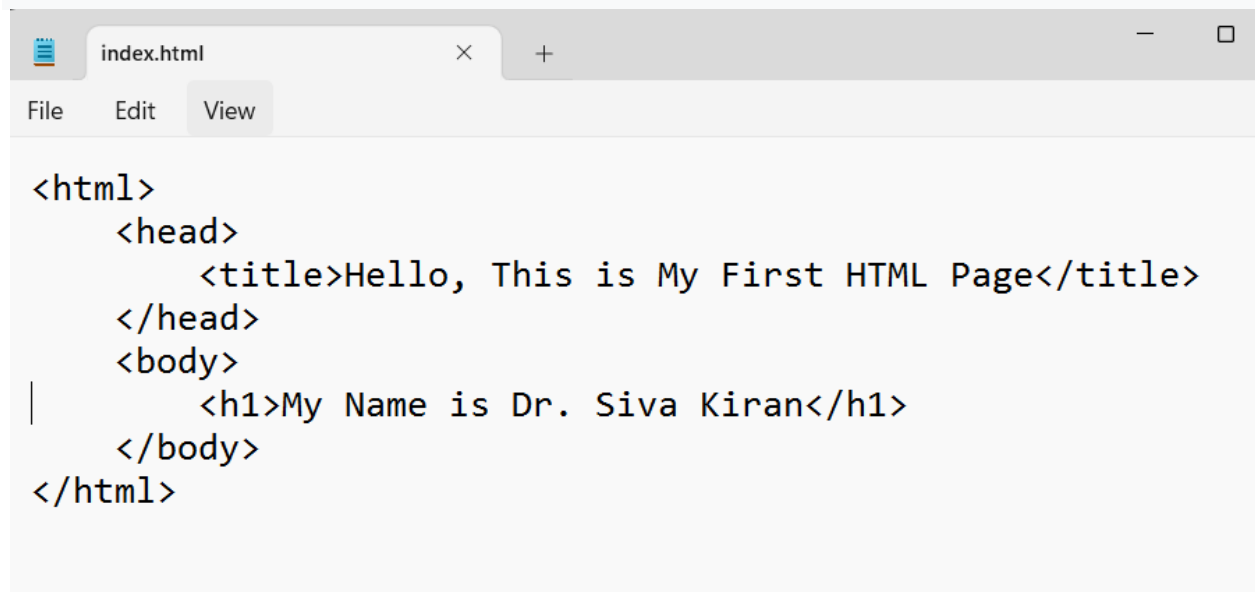
Step 2: Basic Structure of HTML

The basic structure of an HTML file consists of three main parts:

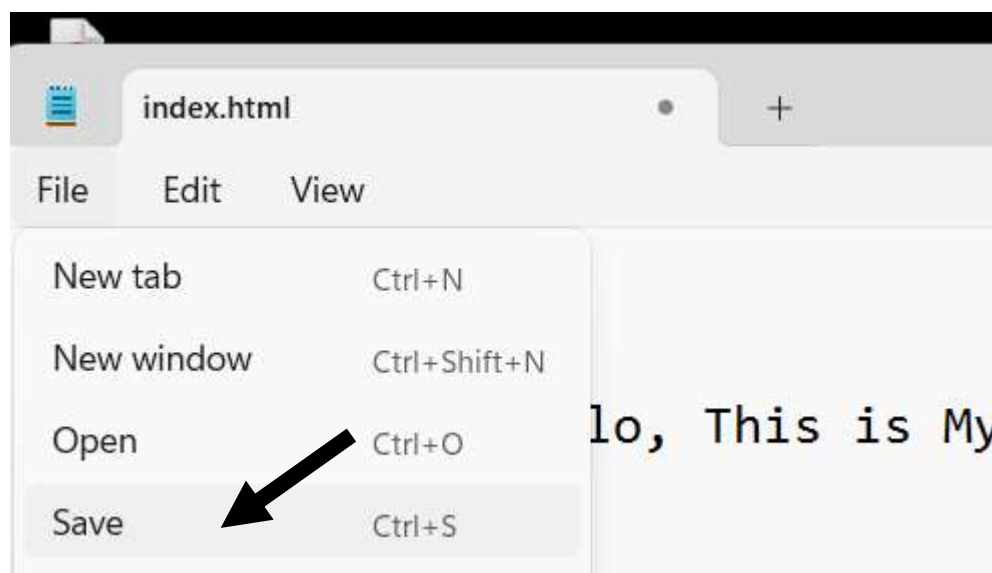
- Part 1: <html> tag - This is the root element of the HTML document.
- Part 2: <head> tag - Contains metadata and internal settings for the webpage.
- Part 3: <body> tag - Contains the visible content of the webpage.

Now type the following inside notepad index.html (Delete previous codes). You can type your name.

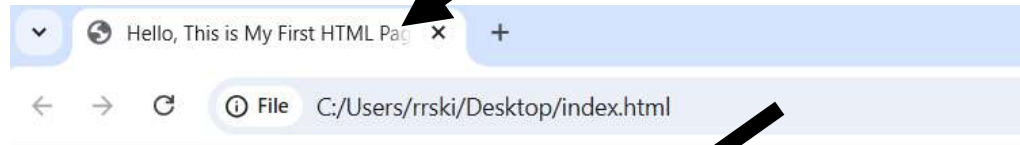
```
<html>
  <head>
    <title>Hello, This is My First HTML Page</title>
  </head>
  <body>
    <h1>My Name is Dr. Siva Kiran</h1>
  </body>
</html>
```



After that click File – Save. (not Save as just press Save).



Now Double Click the index.html file to open and observe.



My Name is Dr. Siva Kiran

<code><html></code>	Begin HTML Page – Does nothing
<code> <head></code> <code> <title>Hello, This is My First</code> <code>HTML Page</title></code> <code> </head></code>	Browser Top Tab can be changed with <title> </title> Markup tag.
<code><body></code> <code> <h1>My Name is Dr. Siva Kiran</h1></code> <code></body></code>	<h1></h1> - Big Heading Present in the Body of the Page
<code></html></code>	Closing HTML Page.

This is the basic structure of HTML.

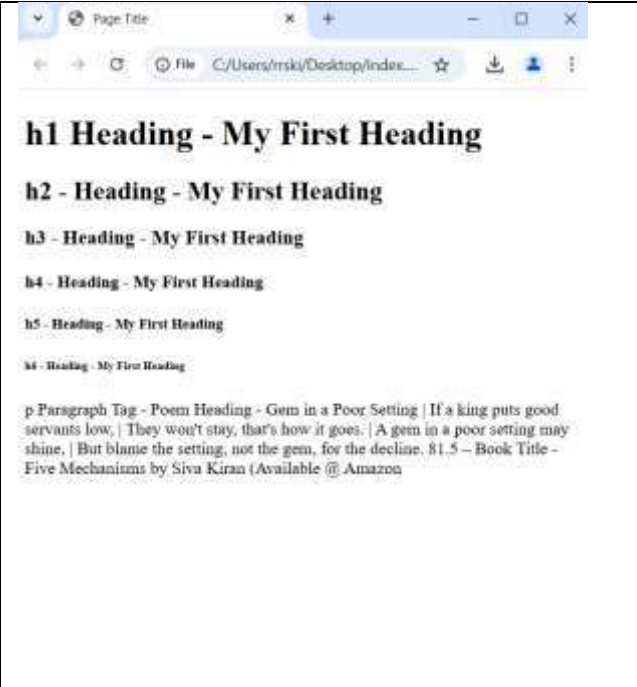
Few exercises:

- Change `<h1> My Name is Dr. Siva Kiran </h1>` to `<h2> My Name is Dr. Siva Kiran </h2>` and see what happens. Similarly, try `<h3>`, `<h4>`, and `<h5>`.
- Change the title to `<title>My Profile</title>` and see what happens.



Advanced Tutorials – HTML

Type in Notepad – Don't Copy and Paste.

<pre><!DOCTYPE html> <html> <head> <title>Page Title</title> </head> <body> <h1>h1 Heading - My First Heading</h1> <h2>h2 - Heading - My First Heading</h2> <h3>h3 - Heading - My First Heading</h3> <h4>h4 - Heading - My First Heading</h4> <h5>h5 - Heading - My First Heading</h5> <h6>h6 - Heading - My First Heading</h6> <p> p Paragraph - Poem Heading - Gem in a Poor Setting If a king puts good servants low, They won't stay, that's how it goes. A gem in a poor setting may shine, But blame the setting, not the gem, for the decline. 81.5 - Book Title - Five Mechanisms by Siva Kiran (Available @ Amazon</p></pre>	
---	---

Adjust the Paragraph using
 tag-
 - Line Break.

<pre><!DOCTYPE html> <html> <head> <title>Page Title</title> </head> <body> <h1>h1 Heading - My First Heading</h1> <h2>h2 - Heading - My First Heading</h2> <h3>h3 - Heading - My First Heading</h3> <h4>h4 - Heading - My First Heading</h4> <h5>h5 - Heading - My First Heading</h5> <h6>h6 - Heading - My First Heading</h6> <p> p Paragraph Tag Explanation
 Gem in a Poor Setting
 If a king puts good servants low,
 They won't stay, that's how it goes.
 A gem in a poor setting may shine,
 But blame the setting, not the gem, for the decline. 81.5

- Book Title - Five Mechanisms by Siva Kiran (Available @ Amazon</p></pre>	
---	--

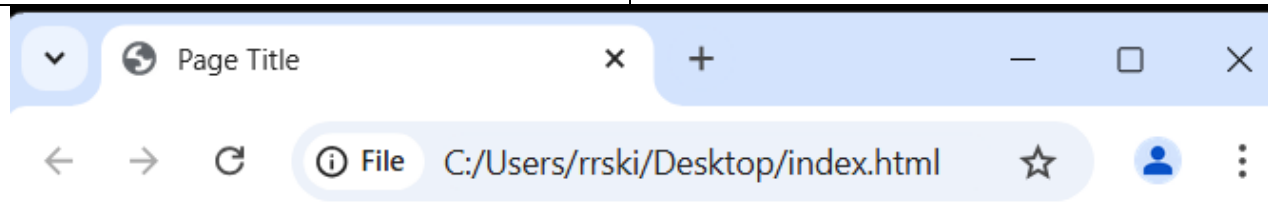
HTML Tags – Quick Reference

HTML Text Formatting Tags		HTML Structural Tags	
	Bold text	<html>	Root element of the HTML document
	Important text	<head>	Contains metadata and internal settings
<i>	Italic text	<title>	Defines the title of the webpage (displayed in the browser tab)
	Emphasized text	<body>	Contains all the visible content of the webpage
<mark>	Highlighted or marked text	HTML List Tags	
<small>	Smaller text		Unordered list (bullets)
	Deleted text (strikethrough)		Ordered list (numbers)
<ins>	Inserted text (underlined)		List item inside or
<sub>	Subscript text (e.g., H₂O)	<dl>	Description list
<sup>	Superscript text (e.g., x²)	<dt>	Term/name in a description list
<u>	Underlined text	<dd>	Description of a term/name in a description list
<s>	Strikethrough text	HTML Table Tags	
<abbr>	Abbreviation (with a tooltip when using the title attribute)	<table>	Creates a table
<cite>	Citation text (usually italicized)	<thead>	Groups the header content in a table
<code>	Inline code text	<tbody>	Groups the body content in a table
<kbd>	Text representing keyboard input	<tfoot>	Groups the footer content in a table
<var>	Variable in programming/math (usually italicized)	<tr>	Table row
<q>	Inline quotation (adds quotation marks automatically)	<th>	Table header cell
<blockquote>	Block-level quotation	<td>	Table data cell
<pre>	Preformatted text (preserves spaces and line breaks)	<caption>	Table caption
<wbr>	Suggests a line break opportunity	HTML Multimedia Tags	
HTML Forms and Input Tags			Displays an image
<form>	Creates an HTML form for user input	<audio>	Embeds audio content
<input>	Input field for user data	<video>	Embeds video content
<textarea>	Multiline text input field	<source>	Specifies multiple media resources for <audio> and <video>
<button>	Clickable button	<track>	Specifies text tracks for media
<select>	Dropdown list	<canvas>	Used for drawing graphics via scripting (usually JavaScript)
<option>	Item in a dropdown list	HTML Programming Tags	
<label>	Label for form elements	<figure>	Groups media content and its caption
<fieldset>	Groups related form elements	<figcaption>	Caption for <figure> content
<legend>	Caption for a <fieldset>	<details>	Creates a collapsible section
HTML Programming Tags		<summary>	Visible summary for a <details>
<style>	Embeds CSS styles	<dialog>	Defines a dialog box or modal
<script>	Embeds JavaScript code	<data>	Links content to machine-readable
<meta>	Defines metadata for the HTML document	<template>	Holds content to be used later
<link>	Links external resources like stylesheets	<slot>	Placeholder for reusable components in Web Components

Learners can Try Text Formatting Tags

 Bold text Important text <i><i></i> Italic text Emphasized text <mark> Highlighted or marked text <small> Smaller text Deleted text (strikethrough) <u><ins></u> Inserted text (underlined) _{<sub>} Subscript text (e.g., H ₂ O) ^{<sup>} Superscript text (e.g., x ²) <u><u></u> Underlined text <s> Strikethrough text <abbr> Abbreviation (with a tooltip when using the title attribute) <i><cite></i> Citation text (usually italicized) <pre><code></pre> Inline code text <kbd> Text representing keyboard input $\langle \text{var} \rangle$ Variable in programming/math (usually italicized) $\langle \text{q} \rangle$ Inline quotation (adds quotation marks automatically) $\langle \text{blockquote} \rangle$ Block-level quotation <pre><pre></pre> Preformatted text (preserves spaces and line breaks) <wbr> Suggests a line break opportunity	<pre><!DOCTYPE html> <html> <head> <title>Page Title</title> </head> <body> b - Bold : Time consumes everything and spares nobody
 High status means little in this worldly dome,
 <i> i - italic : For time will find and home. </i>
 em - Emphasized: From afar, it reaches out and snatches,
 <mark> mark - Highlighted: Everyone in its vast, unseen clutches."22.2 (Mechanism 2) <mark>

 Bible <sub> Subscript Quotes</sub> <u> u - (Underline) Judas betrayed with a kiss so sly ((Matthew 26:48- 49),</u> <s> Promises can break, and trust can die. 126.2</s> </body> </html></pre>
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Time consumes everything and spares nobody

High status means little in this worldly dome,

For time will find and home.

From afar, it reaches out and snatches,

Everyone in its vast, unseen clutches."22.2 (Mechanism 2)

Bible Quotes Judas betrayed with a kiss so sly ((Matthew 26:48-49),

Promises can break, and trust can die. 126.2 - Five Mechanisms by Siva Kiran