

# Prerequisite - Software Installation

- VS Code - Visual studio code
  - <https://code.visualstudio.com/download>
- Google Chrome
- Notepad ++ – Optional
- Snipping Tool - to capture screenshots

## What is Website ?

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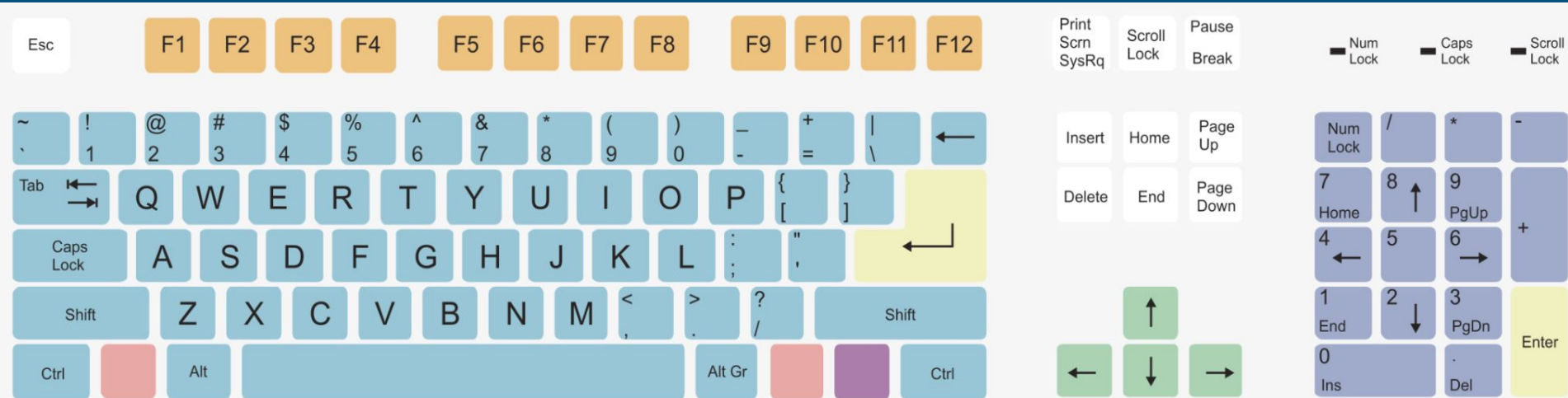
Website is a collection of interlinked web pages that we can view using internet and browser

## What is Page ?

It is a collection of text, images, videos and audios

# Keyboard Keys and Symbols

- ! Exclamation Mark
- < Opening Angle brackets
- > Closing Angle bracket
- / Forward slash
- Hyphen
- \_ Underscore



## Different File Naming conventions ?

Different naming conventions for files in HTML and web development can vary based on personal preference, team standards, or specific project requirements. Here are a few alternative naming conventions that you might encounter or choose to use:

- camelCase ( Preferred to use )
- kebab-case
- snake\_case

# What is camel case ?

When there are more than two words , we should not use spaces to separate them instead we can make the second word first letter capital

Example:

- camelCase
- iPhone
- studentRegistration
- collegeCampusEngineering



# What is kebab-case ?

File name characters should be in lowercase with Hyphens

Example:

- about-us.html
- index.html
- student-registration.html
- social-media-page.html

## What is snake\_case ?

File name characters should be in lowercase with underscore ( \_ )

Example:

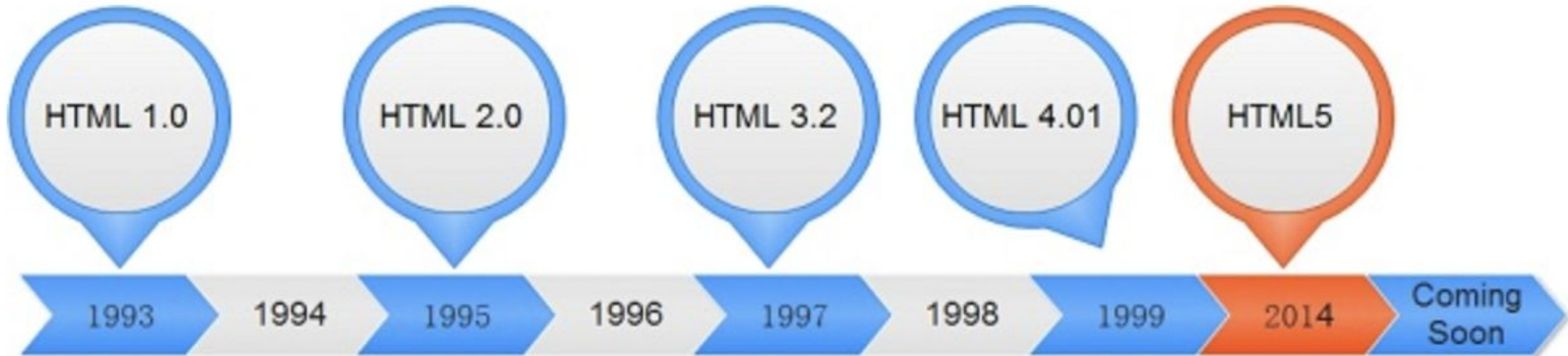
- about\_us.html
- index.html
- student\_registration.html
- social\_media\_page.html

# HTML Introduction

HTML stands for HyperText markup language

- HTML is the standard markup language for creating Web pages.
- HTML describes the structure of a Web page.
- HTML consists of a series of elements.

HTML Versions:

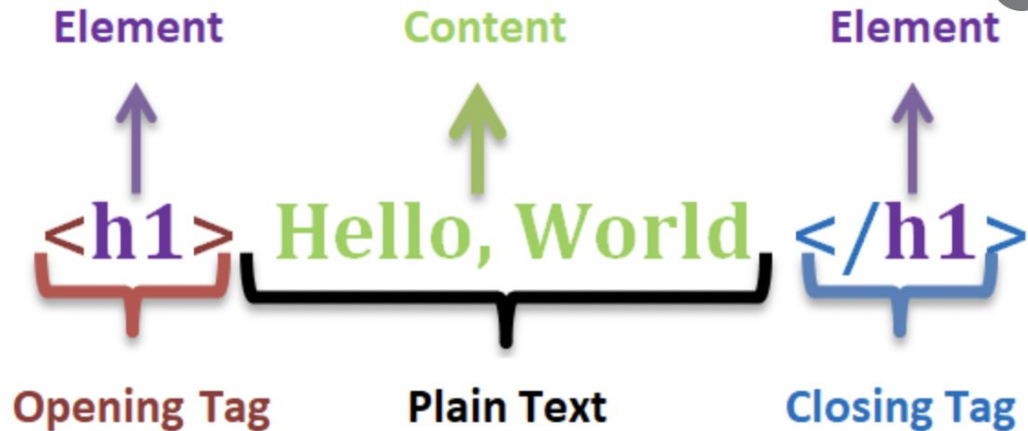
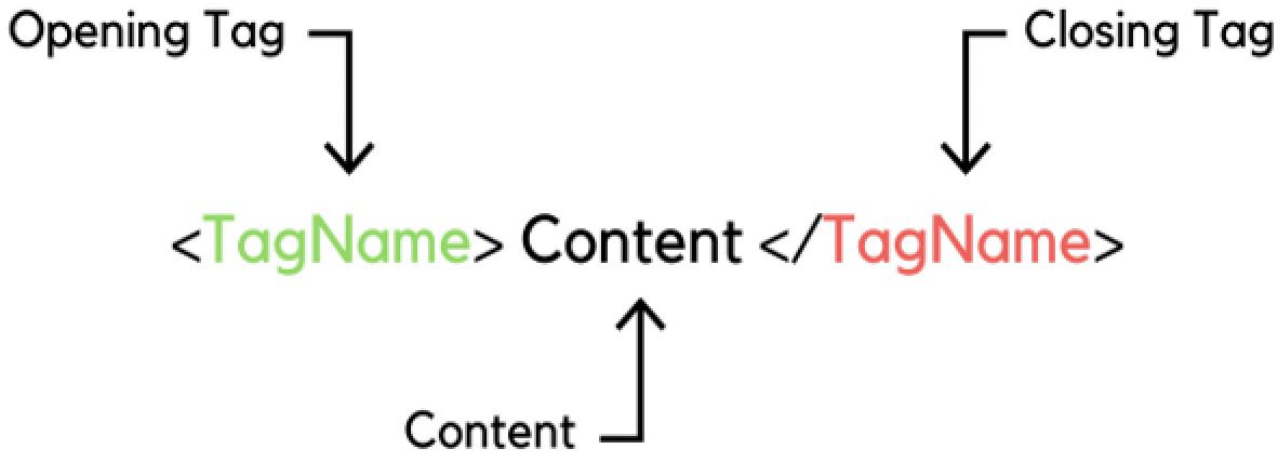




# HTML File naming conventions

- Don't Use Special Characters → Ex. !, @, #, \$, %, ^, &, \*, +, /, {, }
- Don't Use Spaces → student registration.html
- Start the File Name With a Letter → Only Alphabets
- Use All Lowercase Letters → Ex. index.html, registration.html
- Keep Your Filenames Short
- Remember the File Extension, It must be **.html**
- Good HTML File-Naming Practices
  - Try to keep file name in single word
  - In case two words follow camelCase Ex. studentRegistration.html

# HTML Tag - Syntax



# Hello World Program

Contains Meta information about the HTML Page

This declaration defines that this document is an HTML 5 document  
This is an instruction to the web browser about what version of HTML the page is written

```
<!DOCTYPE html>
```

Root element of HTML page

```
<html>
```

```
<head>
```

Title of the HTML page

```
<title>Page Title</title>
```

```
</head>
```

```
<body>
```

This element defines document's body.  
This is a container for all the visible contents such as  
- Headings, Paragraphs, links, images etc..

Heading element

```
<h1>My First Heading</h1>
```

Paragraph element

```
<p>My first paragraph.</p>
```

```
</body>
```

```
</html>
```

## Rules:

1. Every element must be enclosed in <>
2. Every element must have end in </>

## Text Formatting tags

<h1>, <h2>, <h3>, <h4>, <h5>, <h6> : To display headings

<i> : To Italicize text

<b> : To make text strong or bold

<u> : To Underline the text

<strong>: To make text strong or bold

<br> : The Line break element

# HTML heading tags

---

`<h1>HEADING 1</h1>`

`<h2>HEADING 2</h2>`

`<h3>HEADING 3</h3>`

`<h4>HEADING 4</h4>`

`<h5>HEADING 5</h5>`

`<h6>HEADING 6</h6>`

# Text Formatting tags

<h1>, <h2>, <h3>, <h4>, <h5>, <h6> : Headings

<i> or <em> : Italicize

<b> or <strong> : Bold

<u> : Underline

<mark> : Mark

<small> : Small

<br> : The Line break element

<hr> : Horizontal Rule

&nbsp; : Non breaking space

<p>: Paragraph:

<sup>: Superscript ----> Area of Square

<sub> : Subscript ----> Molecular Formula of water

## HTML Syntax - Self closing tag

Element



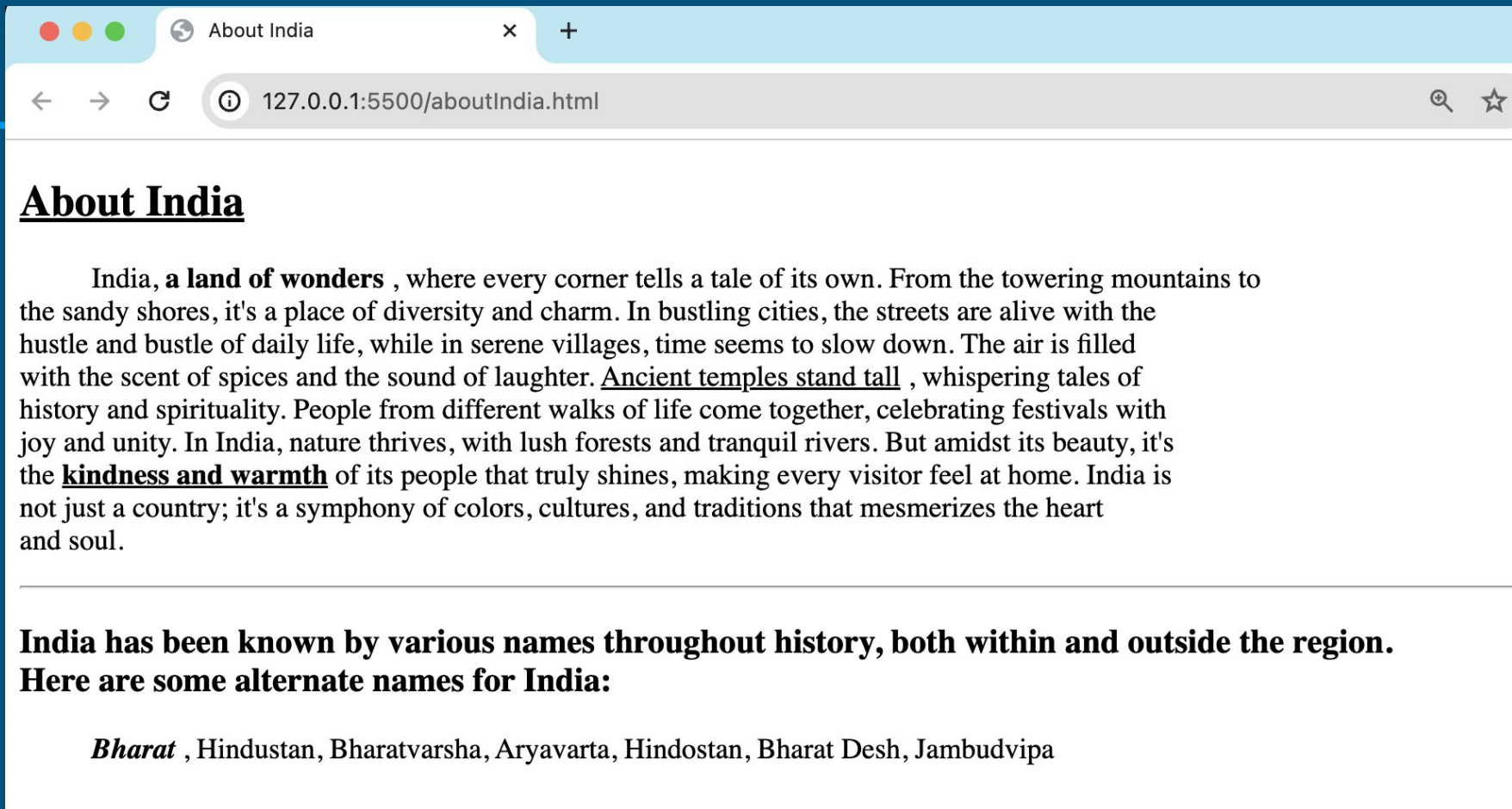
Self-Closing Tag

Element



Self-Closing Tag

# File name → aboutIndia.html



## About India

India, **a land of wonders** , where every corner tells a tale of its own. From the towering mountains to the sandy shores, it's a place of diversity and charm. In bustling cities, the streets are alive with the hustle and bustle of daily life, while in serene villages, time seems to slow down. The air is filled with the scent of spices and the sound of laughter. Ancient temples stand tall , whispering tales of history and spirituality. People from different walks of life come together, celebrating festivals with joy and unity. In India, nature thrives, with lush forests and tranquil rivers. But amidst its beauty, it's the **kindness and warmth** of its people that truly shines, making every visitor feel at home. India is not just a country; it's a symphony of colors, cultures, and traditions that mesmerizes the heart and soul.

**India has been known by various names throughout history, both within and outside the region. Here are some alternate names for India:**

***Bharat*** , Hindustan, Bharatvarsha, Aryavarta, Hindostan, Bharat Desh, Jambudvipa