

Technical AUK

Basic to Advance HTML

Integrated Development Environment

HTML



Integrated Development Environment (IDE)

- An IDE, which stands for Integrated Development Environment, is a specialized text editor designed to be used for writing HTML (as well as other programming languages).
- IDEs have all sorts of features and functions which makes it really easy to write code cleaner and better. While you technically can use any text editor that can save a file in a .HTML format.

Popular IDEs

- Why using an IDE is a good idea when learning to write HTML.
- The right IDE is going to be the one you enjoy using.

What we need to start for HTML Coding

- IDE or Text Editor (Pick One)
 - Visual Studio Code (VS Code)
 - Atom
 - Sublime Text
 - Brackets
 - Notepad ++
 - Microsoft Visual Studio etc ...
- A Web Browser (Pick One)
 - Google Chrome (Recommended)
 - Mozilla Firefox
 - Edge
 - Safari
 - IE (Not Recommended)

Anatomy of Website

Content + HTML + CSS = Website

- **Content:** Content is information produced and directed at an end-user or audience in the sectors of publishing, art, and communication.
- **HTML:** The Hyper Text Markup Language, or HTML is the standard markup language for documents designed to be displayed in a web browser.
- **CSS:** Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.
- **Website:** A website is a way to present your content to the world, using HTML and CSS to present that content & make it look good.

Creating an HTML File

- Does NOT need a server
- File must end with the .html extension
- Runs in a web browser (Chrome, Firefox, etc)
- Index.html is the root / home page of website
- <http://www.something.com>
 - Loads the index.html file
- <http://www.something.com/about.html>
 - Loads the about.html file.

Structure of HTML

```
<!DOCTYPE html>
```

`<!DOCTYPE html>` declaration of an HTML5 document

```
<html>
```

`<html>` root element

```
<head>
```

`<head>` Information about the HTML page

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

`<title>` element specifies a title for the HTML page

```
</head>
```

`<body>` Is a container for all the visible contents, such as headings, paragraphs, etc

```
<body>
```

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

`<p>` Defines a paragraph

```
</body>
```

```
</html>
```