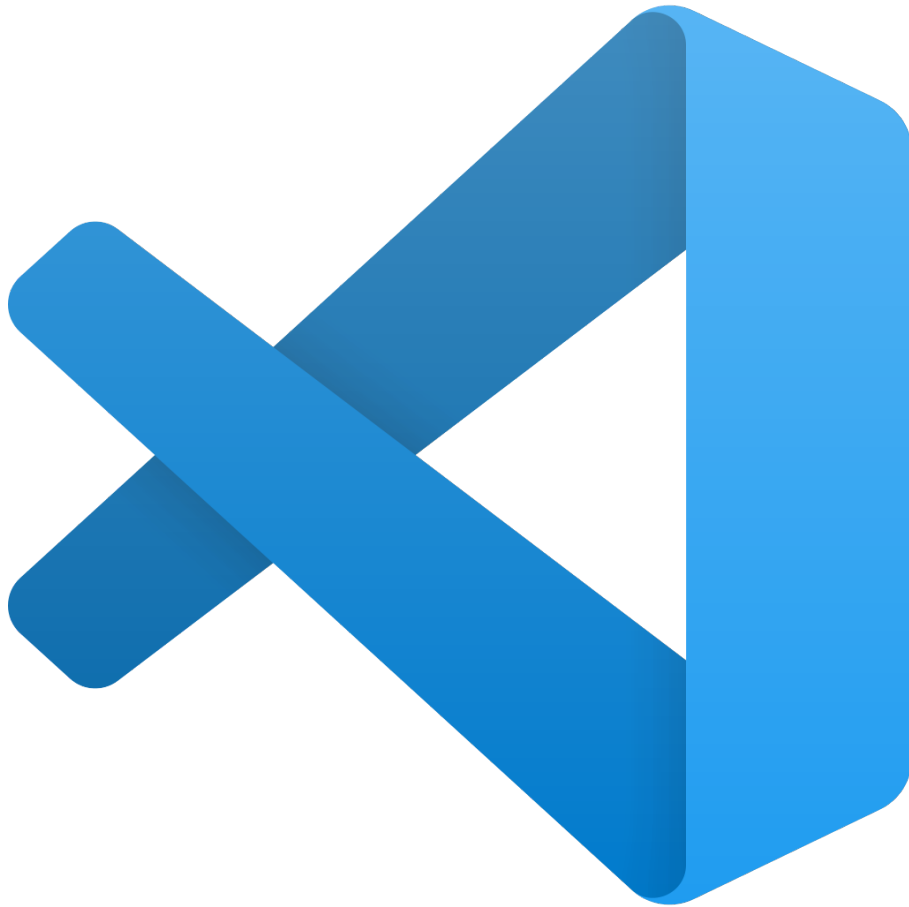# Visual Studio Code(VSCode)

What is Visual Studio Code

Visual Studio Code is a free source-code editor. It was developed and launched by Microsoft in 2015 for Windows, Linux, and macOS.

Features

It supports a variety of programming languages which include Java, JavaScript, Go, Node.js, and C++. With free extensions, python, R, Ruby, etc. can also be edited. It has built-in debugging support, embedded Git control, syntax highlighting, code completion, integrated terminal, code refactoring, and snippets. It is based on an electron framework which is used to develop Node.js and web apps that run on the Blink layout engine.
Visual Studio Code includes multiple extensions for FTP, thus can be used as a free alternative for web development. Code can be synced between the editor and the server, without downloading any extra software.

Why use Visual Studio Code

- ❖ Consists of the code editor and power developer tools like IntelliSense code completion and debugging
- ❖ Frictionless edit-build-debug cycle
- ❖ Available for macOS, Windows, and Linux for free
- ❖ Highly customizable and can install any third-party extensions
- ❖ Highly suitable for web-development as it has enriched built-in support for Node.js, JavaScript and TypeScript
- ❖ Robust and extensible architecture

How to install VSCode

You can download and install from the following link:
https://code.visualstudio.com/download
You have the option for different packages for different OS. So you can install which suits for your OS.

References

- ❖ https://en.wikipedia.org/wiki/Visual_Studio_Code
- ❖ https://www.youtube.com/watch?v=VqCgcpAypFQ
- ❖ https://code.visualstudio.com/docs/editor/whyvscode#:~:text=Edit%2C%20build%2C%20and%20debug%20with,selection%2C%20snippets%2C%20and%20more.