**VS Code**

What is VS Code?

* Visual Studio Code (VS Code) is a versatile and lightweight source code editor developed by Microsoft.
* Visual Studio uses Microsoft software development platforms such as Windows API, Windows Forms, Windows Presentation Foundation, Windows Store and Microsoft Silverlight.
* It can be used to develop console and graphical user interface applications.
* Visual Studio supports different programming languages and allows the code editor and debugger to support nearly any programming language.
* The source code of Visual Studio contain 50 million lines of code.

Features of VS Code

* **IntelliSense:** Provides smart code completion, syntax highlighting, and suggestions to boost productivity and minimize errors.
* **Integrated terminal:** Includes a built-in terminal for executing commands, scripts, and managing files without leaving the editor.
* **Git Integration:** Seamlessly integrates with Git for version control tasks like staging changes, committing, and pushing directly within the editor.
* **Debugging Support:** Offers built-in debugging tools for various programming languages, simplifying the process of debugging code.
* **Extensibility:** Offers a wide range of extensions available in the marketplace to customize and extend the editor's functionality as per individual needs.
* **Customization:** Highly customizable with support for custom key bindings, themes, and settings to personalize the editor based on preferences and workflows.
* **Continuous Updates:** Regularly receives updates and improvements to ensure access to the latest features, bug fixes, and enhancements.

Interface Overview

* **File Explorer:** Allows users to navigate and manage files and directories within a project.
* **Editor Area:** Provides a workspace for writing and editing code with features like syntax highlighting, IntelliSense, and more.
* **Sidebars:** Contains various panels such as Git, Extensions, Search, and Debug, providing access to different functionalities and tools.
* **Status Bar:** Displays information such as file encoding, line endings, Git status, and other editor-specific details.
* **Command Palette:** Enables users to execute commands, access features, and install extensions via a searchable interface.