**Visual Studio Code (VS Code):**

**VS Code** is a lightweight, open-source code editor with powerful features such as syntax highlighting, debugging, and extension support for multiple programming languages. It is highly customizable and ideal for web development, scripting, and smaller projects, with a focus on speed and simplicity.

**Visual Studio** is a full-featured integrated development environment (IDE) designed primarily for large-scale software development, offering extensive support for languages like C#, C++, and .NET. It provides advanced debugging, profiling, and testing tools, making it suitable for complex enterprise applications and desktop software.

* Installing .Net SDK on computer allows for running C# programs outside of an IDE/Code Editor
* C# is fast:  
  “ A software company called [Raygun](https://raygun.com/blog/dotnet-vs-nodejs/) built their application using Node.js, a framework for JavaScript. When their app started to slow down, they switched to .NET, a framework for C#. Their performance skyrocketed. As CEO John Daniel puts it, “using the same size server, we were able to go from 1,000 requests per second…with Node.js, to 20,000 requests per second with .NET Core.” In other words, they increased throughput by 2,000%.”

**VS Code Personalization and Snippets:**

* Command Pallete
* Preferences: Open User Settings (json) – opens global user settings files for VSCode
* Customize for C# by using ”[csharp]”: {} and putting all csharp specific edits into curly braces
* A useful command is code snippet that basically auto creates a template for you when starting a new project

A screen shot of a computer program

Description automatically generated