**Visual Studio**

**Integrated Development Environment (IDE)**

* IDE is a feature-rich program that can be used for many aspects of software development
* Visual Studio includes compilers, code completion tools, graphical designers, and many more features to ease the software development process
* **Solution Explorer**(top right – Windows, left – Mac)- lets you view, navigate, and manage your code files. Solution Explorer can help organize your code by grouping the files into solutions and projects
* **Editor Window** (center),- displays file contents. This is where you can edit code.
* **Team Explorer** (bottom right – Windows, Version Control Menu – Mac) lets you track working using Git.

**Code Cleanup**

* Code Cleanup helps you resolve issues in your code before it goes to code review.
* Currently available for C# code only.

**Refactoring**

* Refactoring is the process of modifying code in order to make it easier to maintain, understand, and extend, but without changing its behavior.
* Refactoring includes operations such as intelligent renaming of variables, extracting one or more lines of code into a new method, changing the order of method parameters, and more.

**Code Snippets**

* Visual Studio provides useful code snippets that you can use to quickly and easily generate commonly used code blocks.
* Code snippets are small blocks of reusable code that can be inserted in a code file using a right-click menu (context menu) command or a combination of hotkeys.
* To view all the available installed snippets for a language, open the Code Snippets Manager. (Windows -> Tools Menu)
* In Visual Studio there are two kinds of code snippet:
  + Expansion snippets which are added at a specified insertion point and may replace a snippet shortcut
  + Surround-with snippets which are added around a selected block of code.