Blockchain tutorial using C# implementation

Tech Week 2022 LaSalle College

Welcome to this tutorial, which you can use as a reference for the presentation at LaSalle College Montreal's Tech Week.

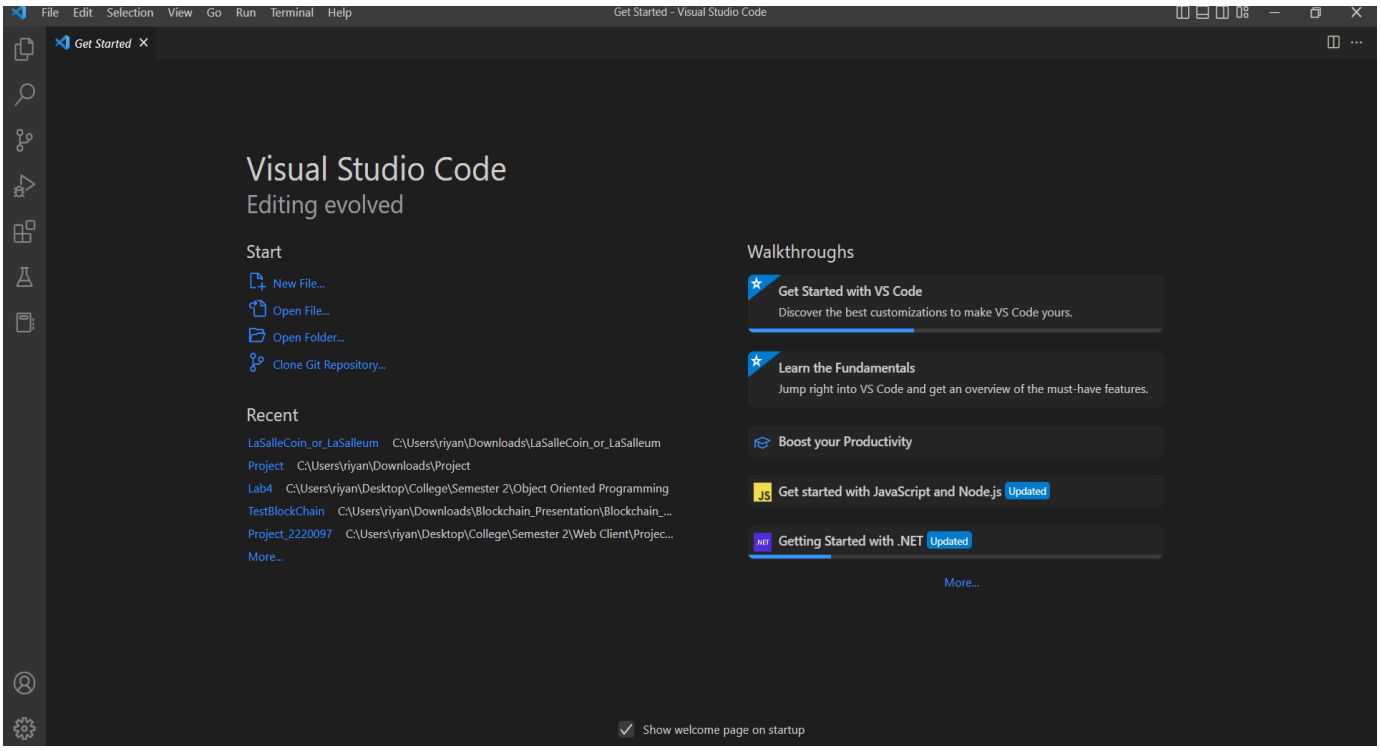
This information will help you get going.

Let's begin!

Visual Studio Code Installation

Every platform, including Linux, macOS, and windows, offers Visual Studio Code for free.

1. The version we'll be using is 1.73.1.
2. Visit the following website: https://code.visualstudio.com/download to begin the download.
3. Install it after the download is complete.
4. After the installation is finished, you should be able to access VS Code.



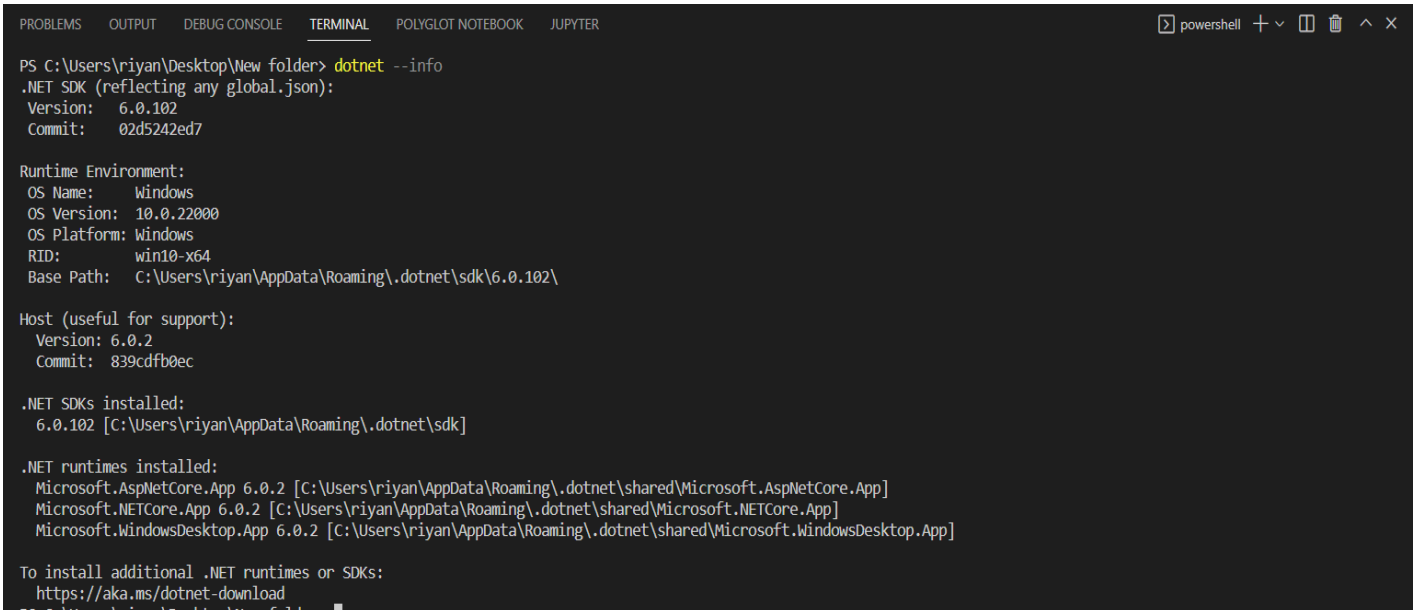
After successfully installing VS Code, we move forward with Installing DotNet.

.Net Installation

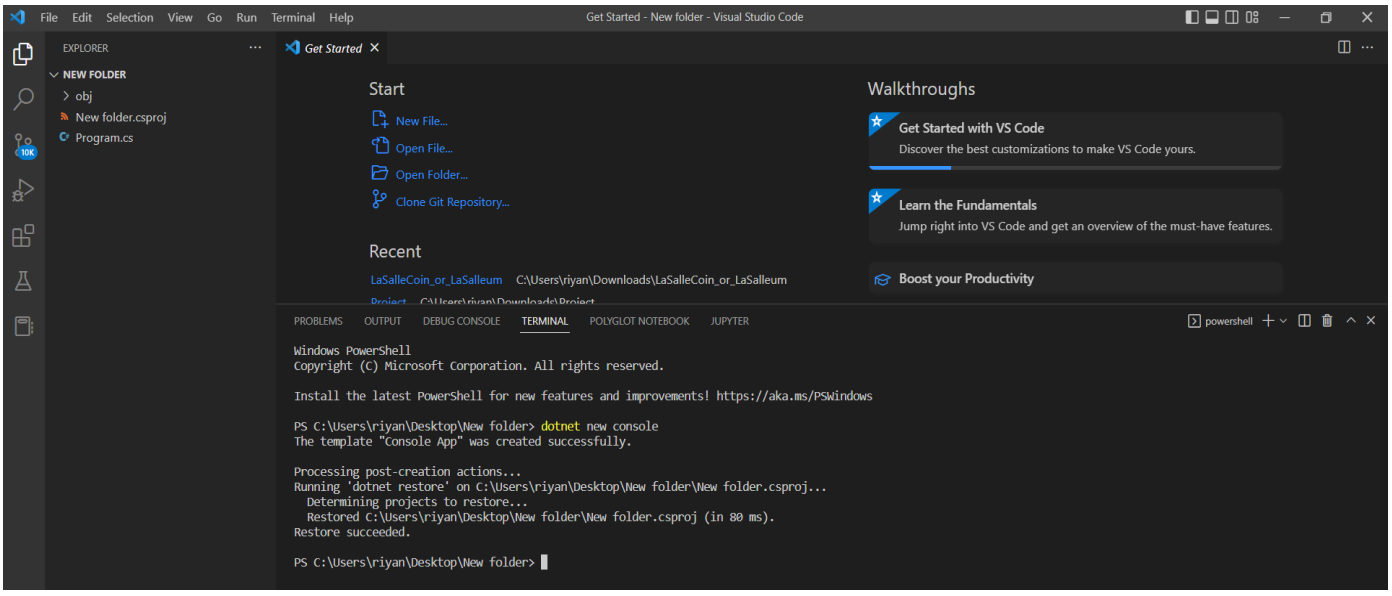
1. If you have successfully installed VS Code, you can now add .NET support by installing the .NET Extension Pack, which includes these extensions:
    - C# for Visual Studio Code
    - Ionide for F#
    - Jupyter Notebooks
    - .NET Interactive Notebooks

2. If the download of the extension is successfully completed, we move on to download the .NET SDK on our local environment. The .NET SDK is a software development environment used for developing .NET applications.

3. We can check the information/successful Implementation of dotnet by using the command dotnet --info as shown below.

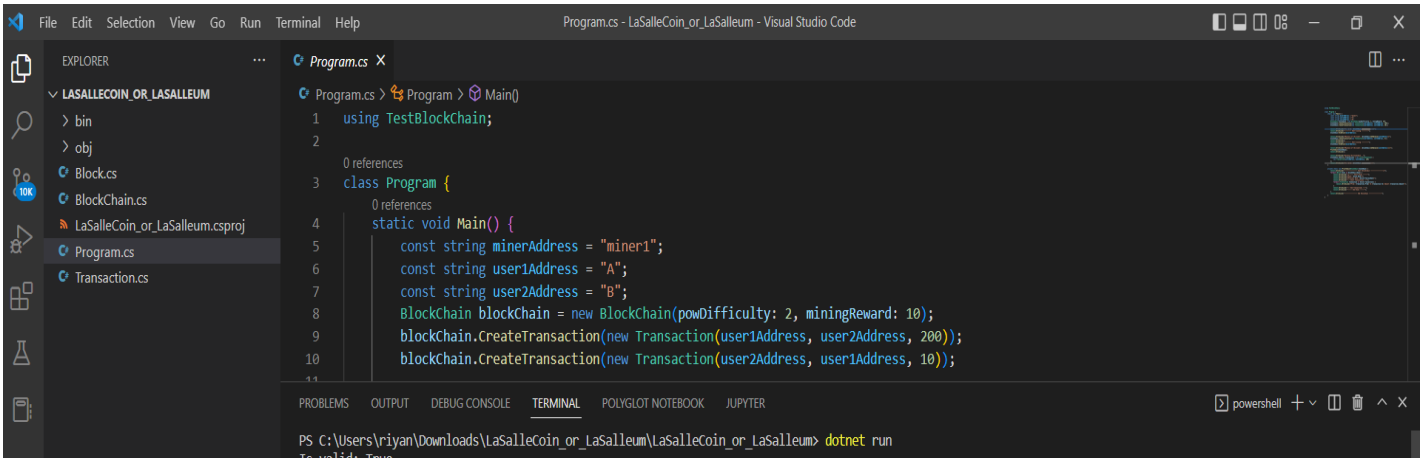


4. First, create a new folder and open it in Visual Studio Code. Then, run the command to create a new project using the dotnet framework: dotnet new console, as displayed below.



5. We may now begin creating new files, such as the one designated as Program.cs, and begin putting our code for a fundamental explanation of Blockchain into practise.

6. Once our code has been successfully implemented, we launch it using the command: dontnet run, as shown below.



7. Our Output should look something like this :