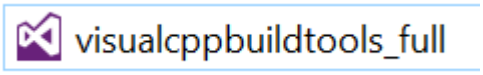
RUST Installation Guide

Visual Studio C++ Build Tools Installation:

- Download Visual Studio C++ build tools from following link https://download.microsoft.com/download/5/f/7/5f7acaeb-8363-451f-9425-68a90f98b238/visualcppbuildtools_full.exe
- Downloading should start right after loading this link
- Go to your downloaded files, you will see following file



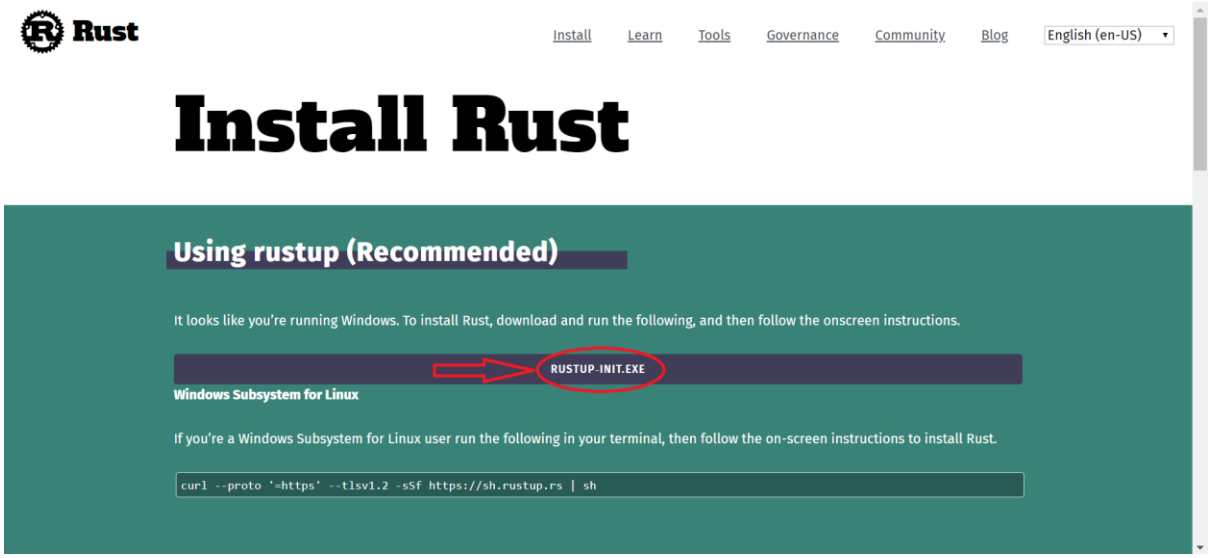
- Open this file and click Install button, visual studio C++ build tool will be installed

RUST Installation:

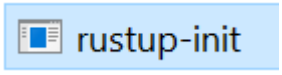
Open following link:

https://www.rust-lang.org/tools/install

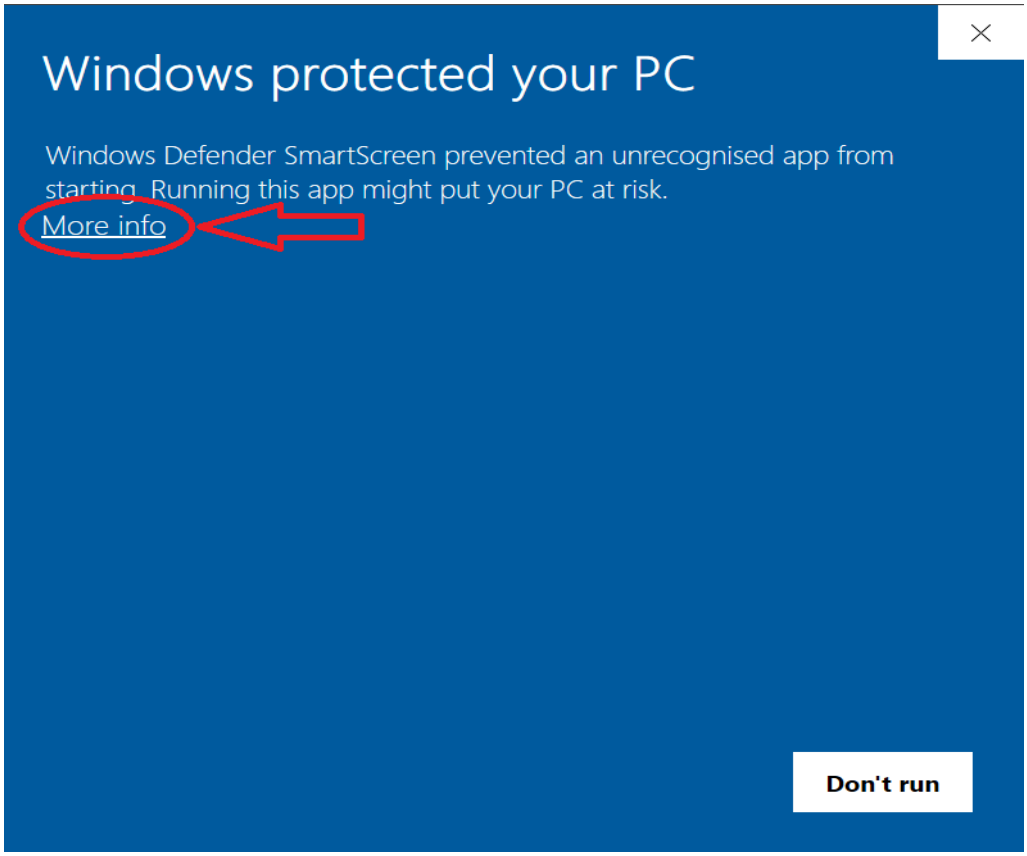
You will see following window. Click on pointed button to start downloading.



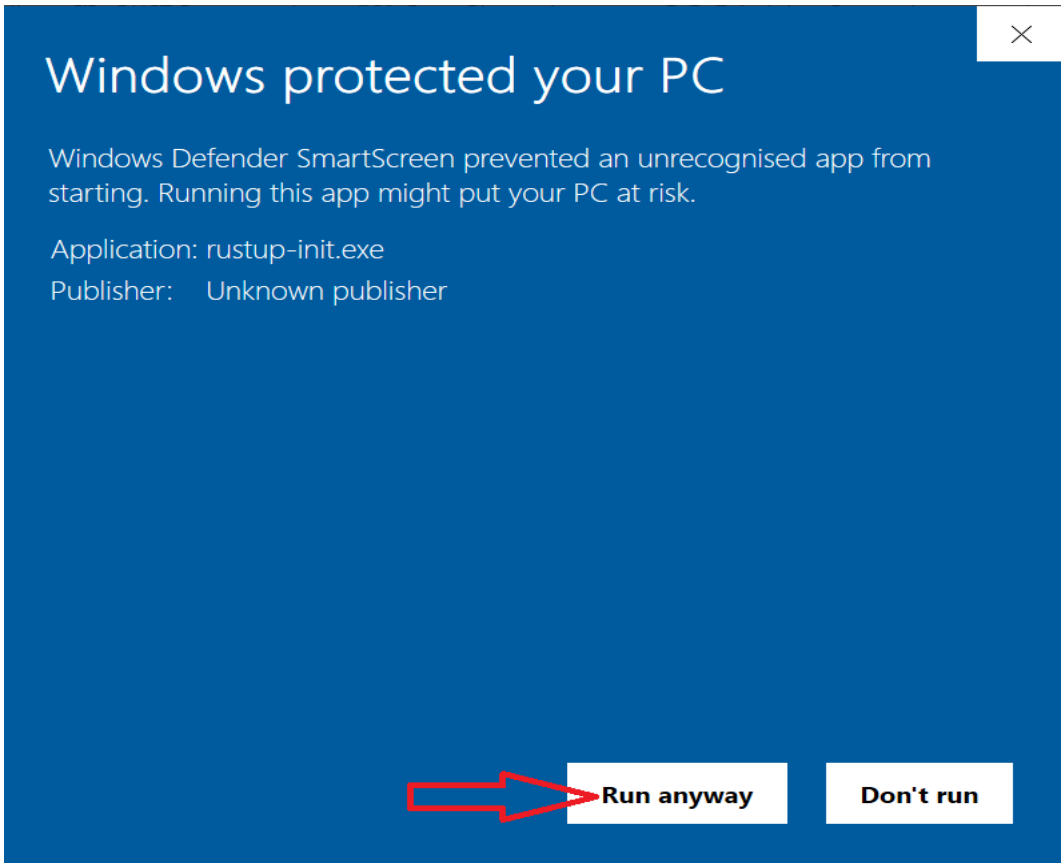
Go to your downloads, you will see following file.



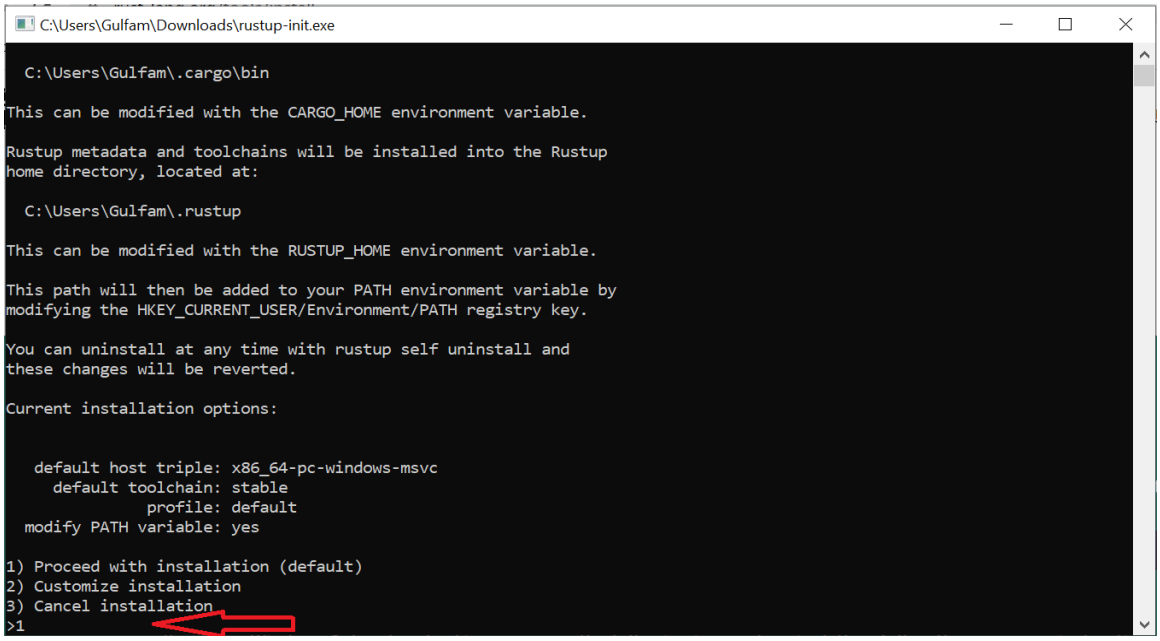
Open this file and you may see following window:



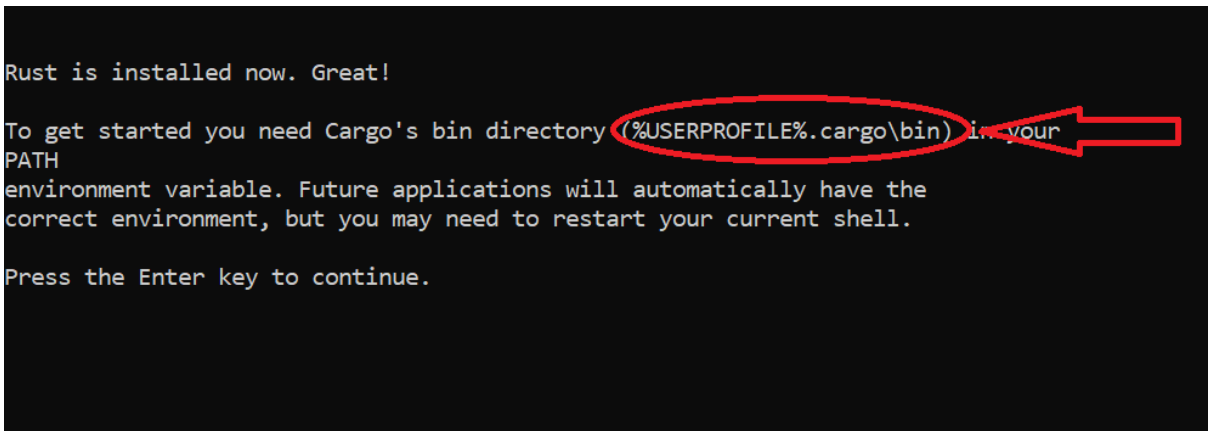
Click pointed button and then you will see following window:



Click pointed button and then following window will be shown:

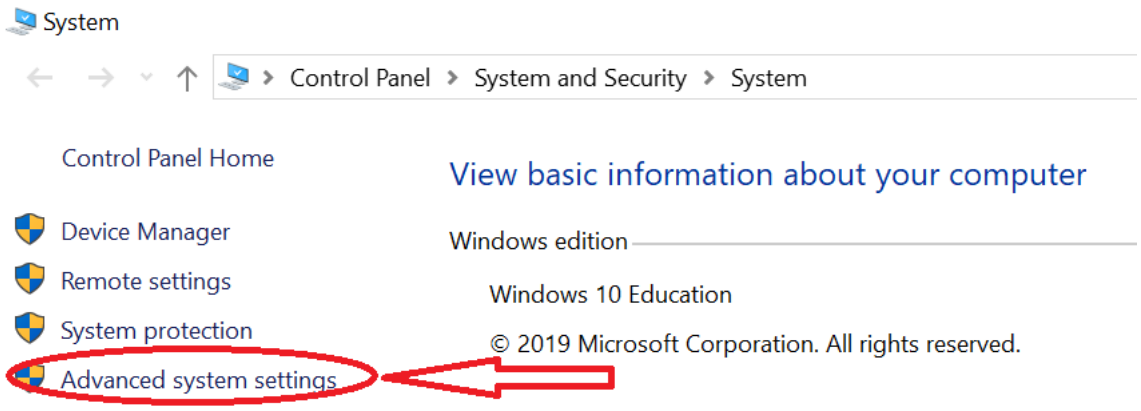


Follow onscreen instructions. Type '1' and press Enter, RUST installation will be started. You will see following window after installation. Don't close this window until you copy bin directory, which is pointed in the screenshot.

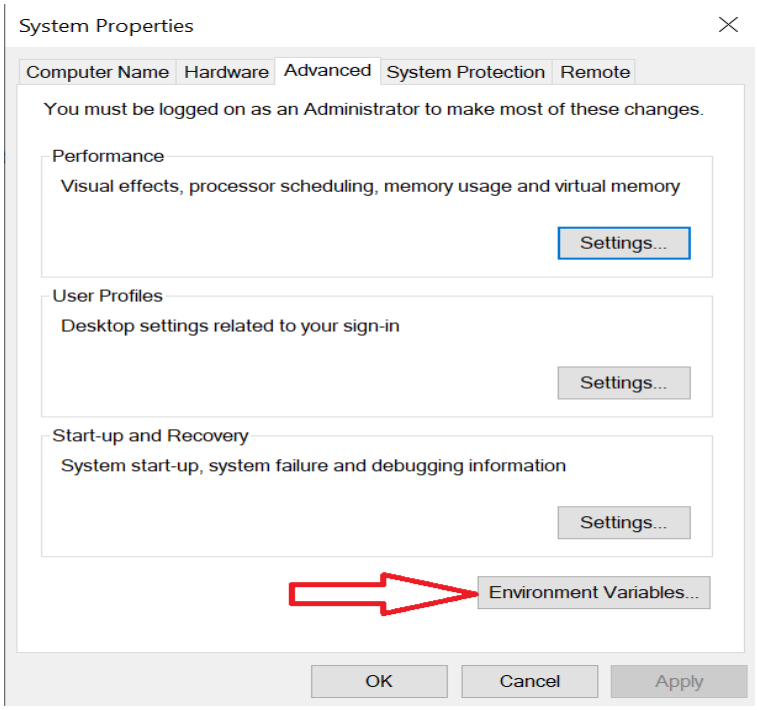


You can close this window after copying encircled path.

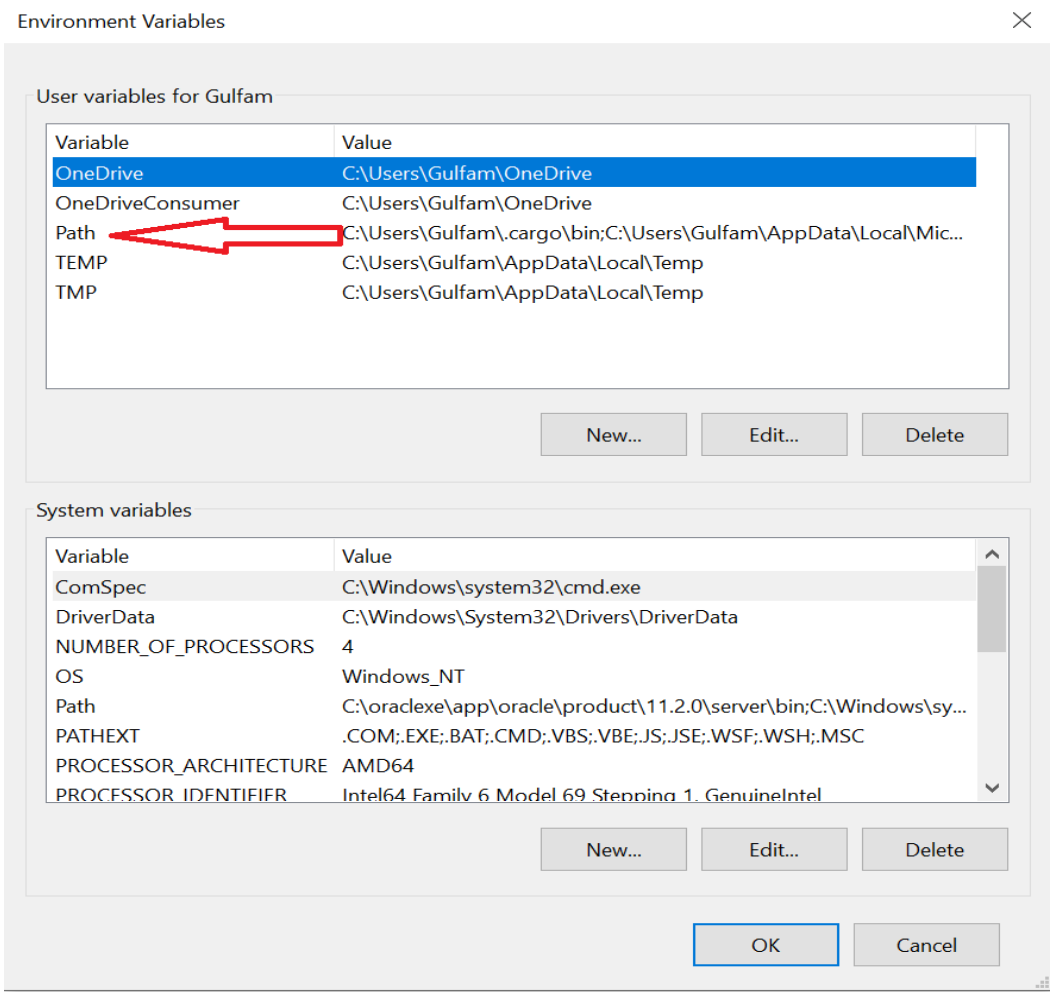
Now go to the properties of your system and you will see following window:



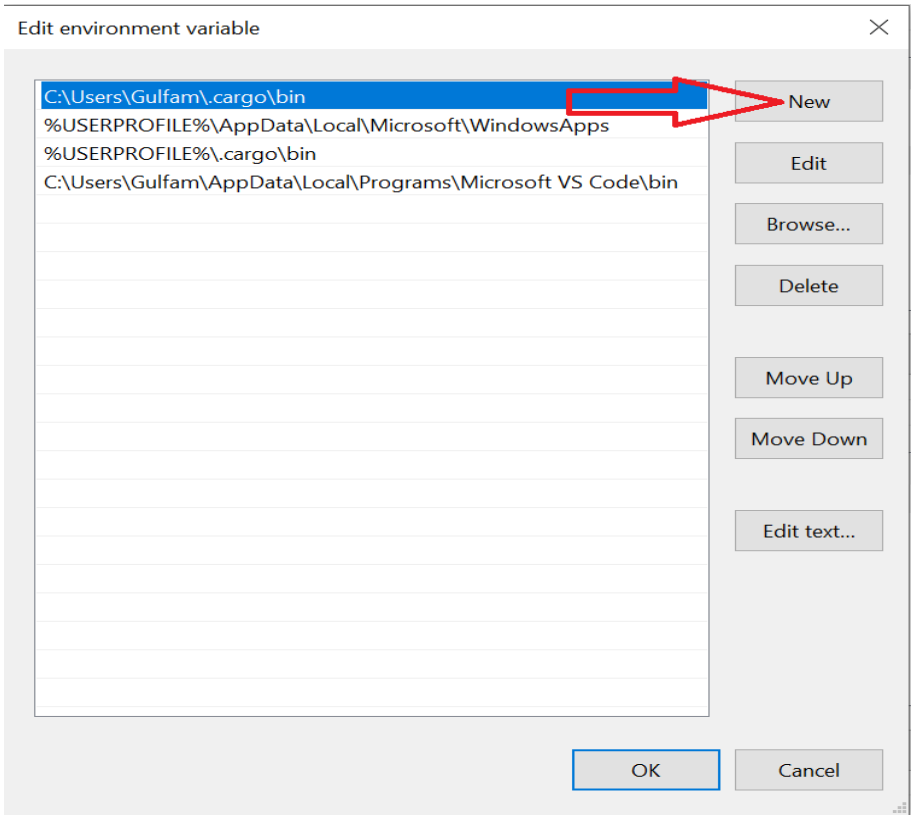
Click Advanced System Setting and following window will be appeared:



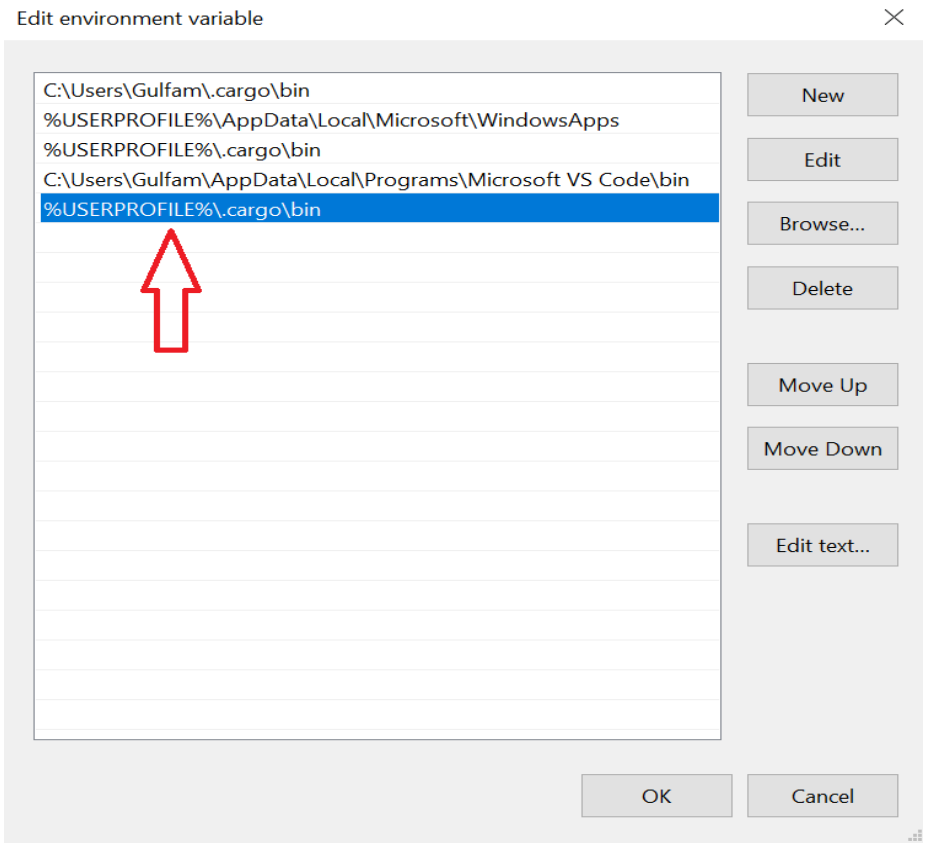
Click Environment Variables then:



Click on the path and then you will see following window:



Click on the pointed button ‘New’ and then paste copied bin directory path (%USERPROFILE%\.cargo\bin) in the new line as shown.



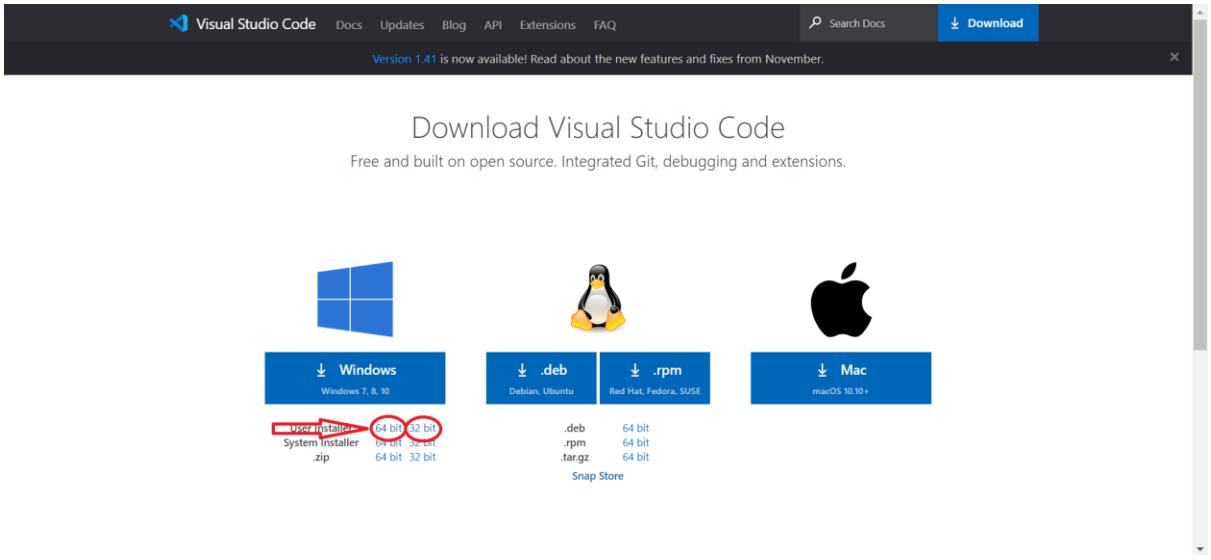
Rust is now installed and cargo bin directory path is also added in System Environment Variables.

VS Code Installation:

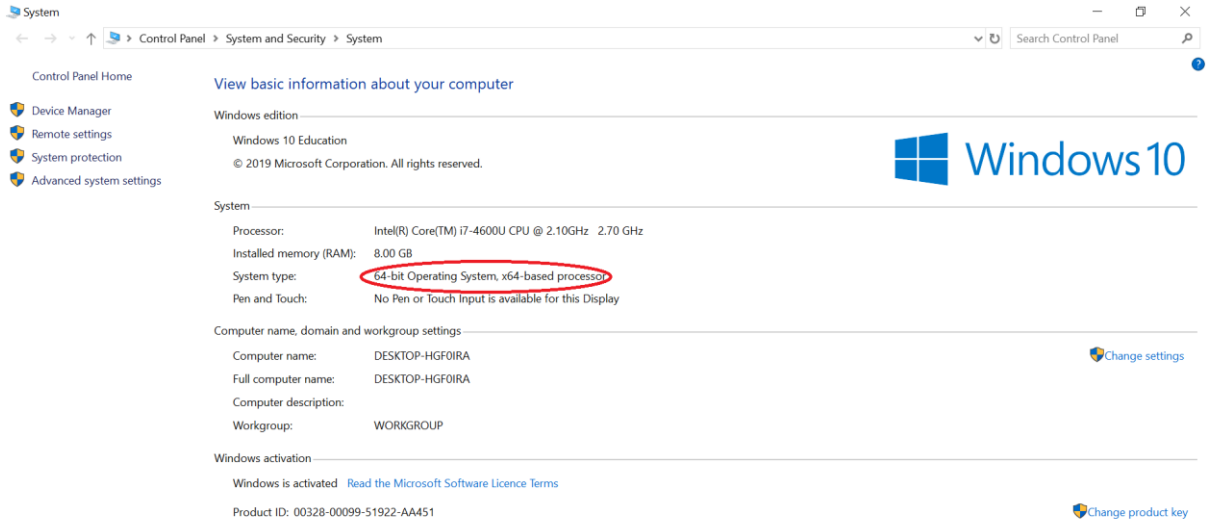
Go to the given link:

https://code.visualstudio.com/download#

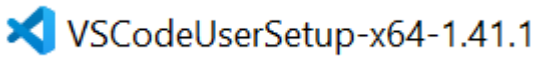
You will see following window:



Click on the encircled button according to your operating system. You can check your operating system from system properties.

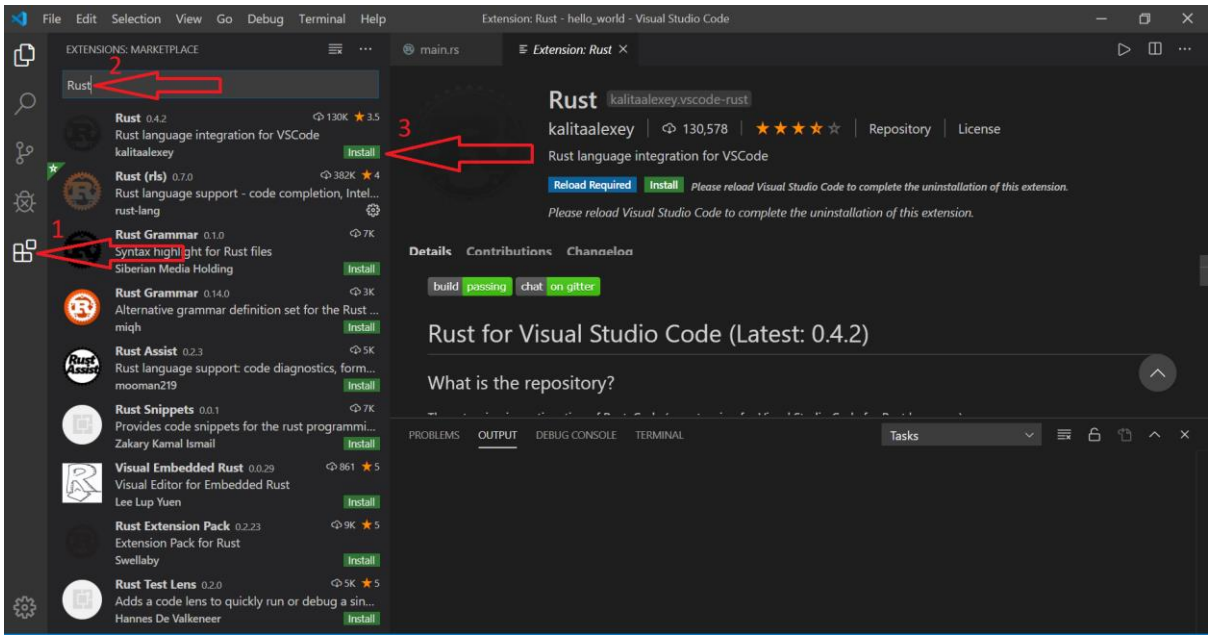


After clicking on 32 or 64, downloading will be started. You will see following file in your downloads.



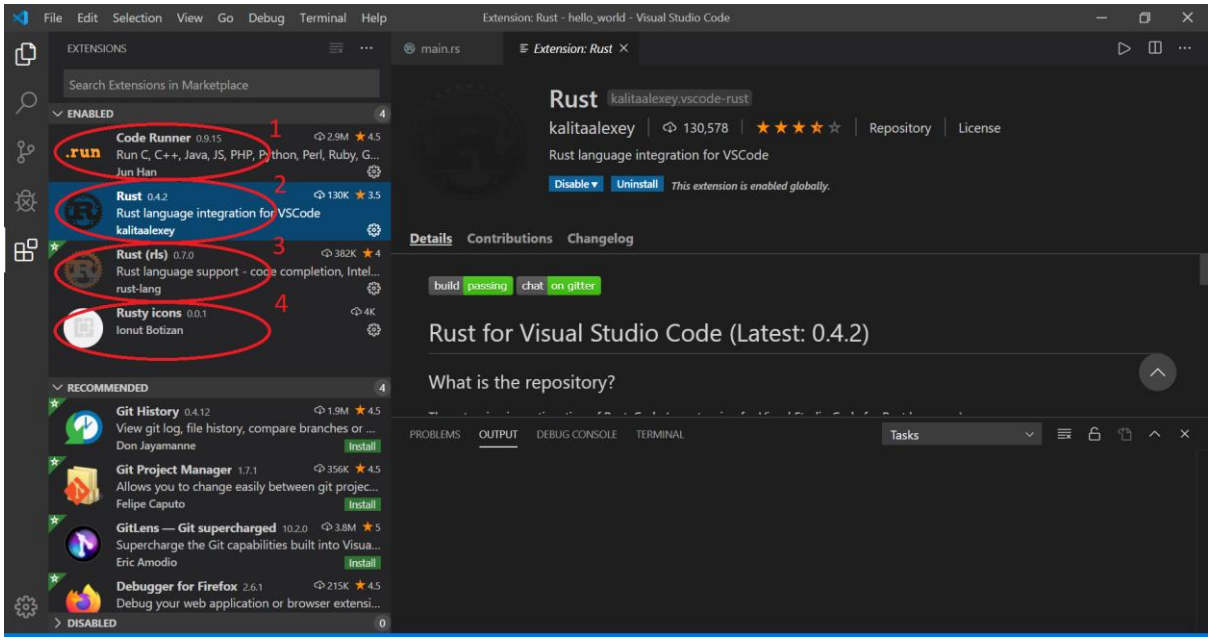
Open this file and then click on Next>Next and install buttons to install.

After installation open VS Code and following window will be shown. Now we need to install some Extensions required for RUST programming. Follow steps shown below:



1. Go to Extensions
2. Type Extension name and press enter
3. Click Install button to install Extension

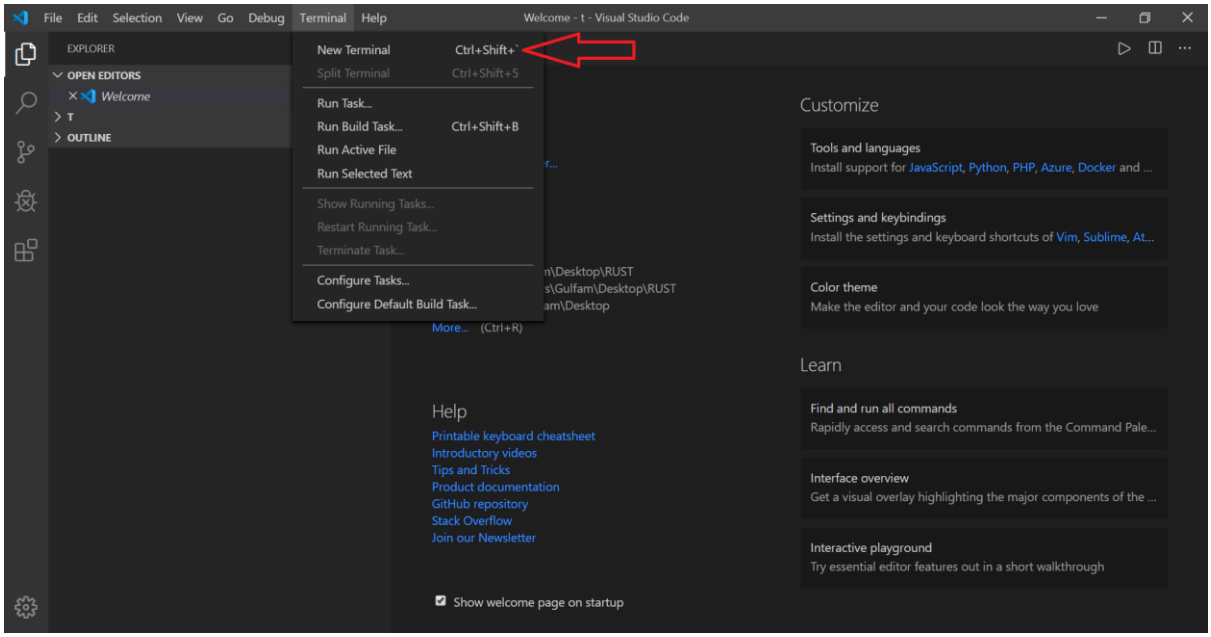
You will have to install following four extensions using same method.



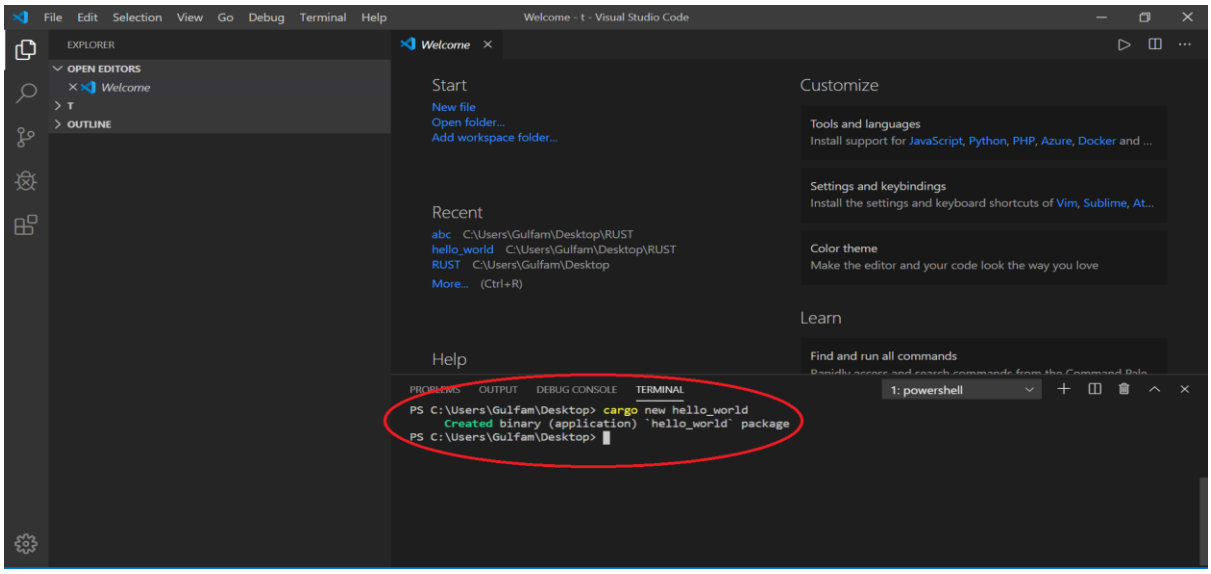
Now we can start coding with RUST using VS Code.

Creating First Application with RUST:

Open VS Code, go to the Terminal and click on New Terminal. You can also use shortcut key “Ctrl+Shift+`”.



You will see following window. Now create new binary application using command shown in the image.



hello_world application is now created. Now run application as shown.