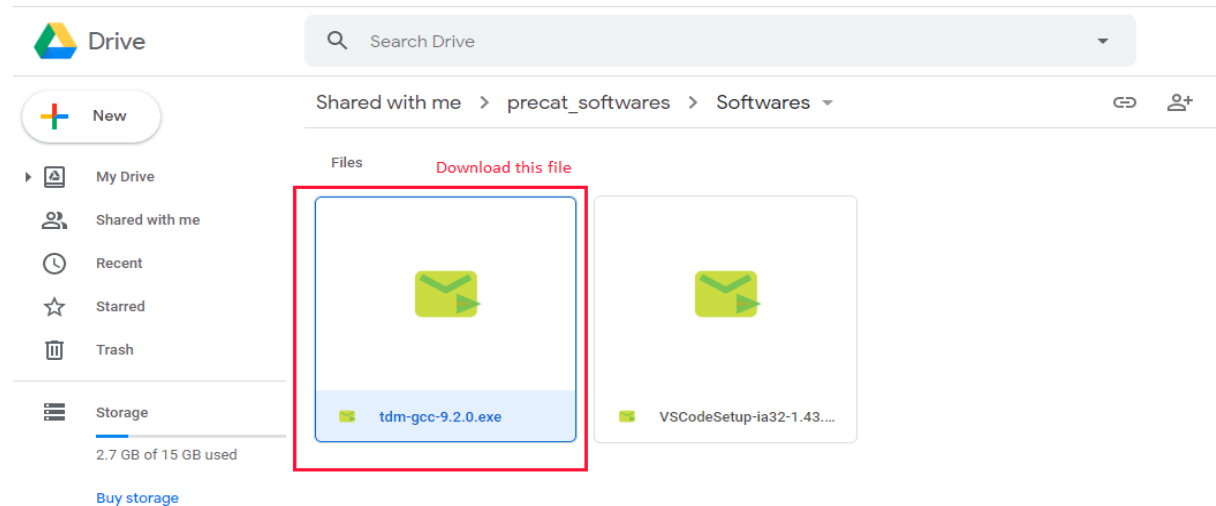


1. Obtain Compiler gcc

Visit - <https://drive.google.com/drive/folders/1ZLB2kqODQ8QZAj5dsDJoT2m4j4KvDfDq>

Download Executable file of Compiler (tdm-gcc-9.2.0)

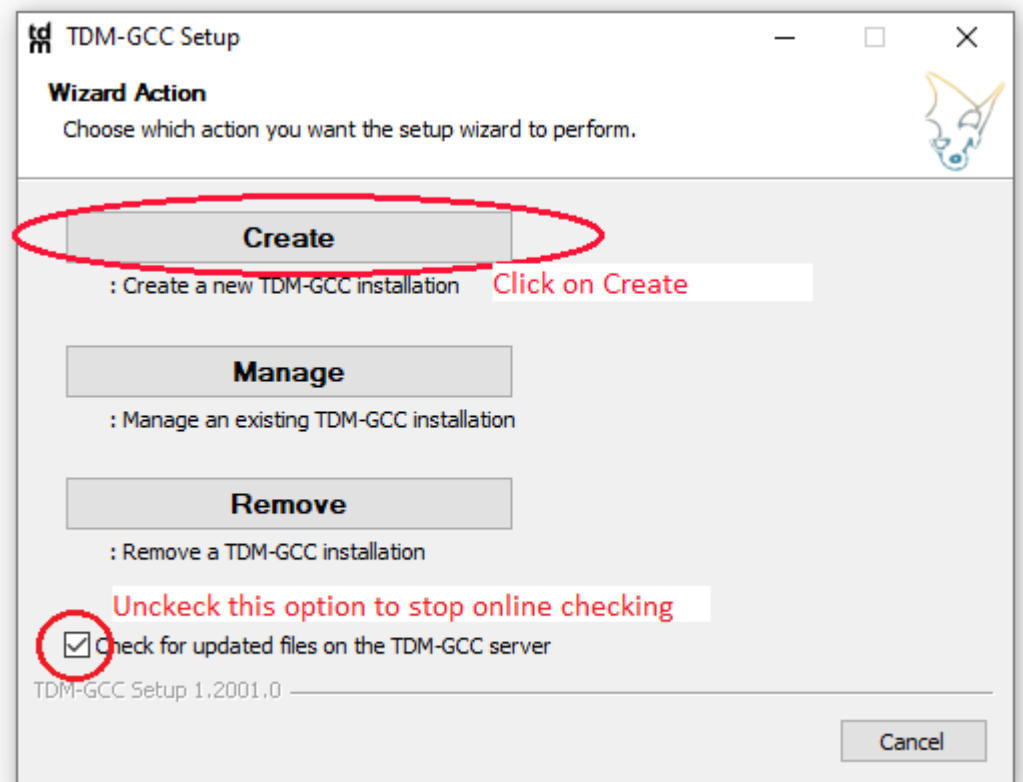


2. Installation steps for compiler (gcc)

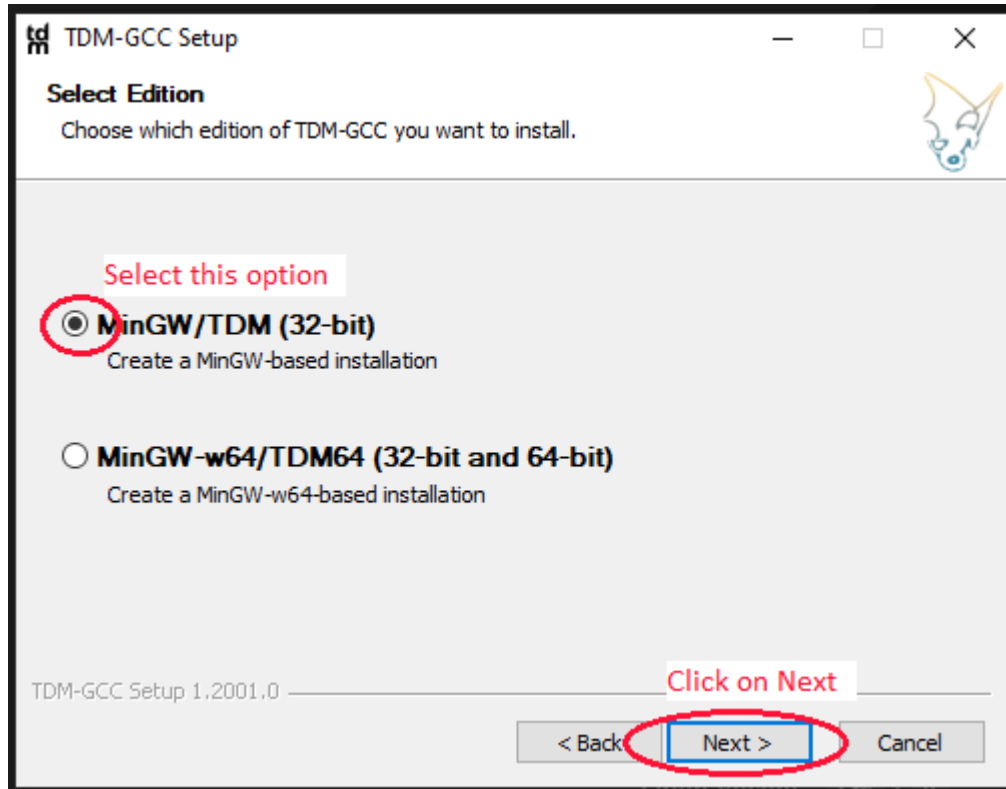
2.1 Double click on downloaded executable file.

2.2 Click on Yes to install it.

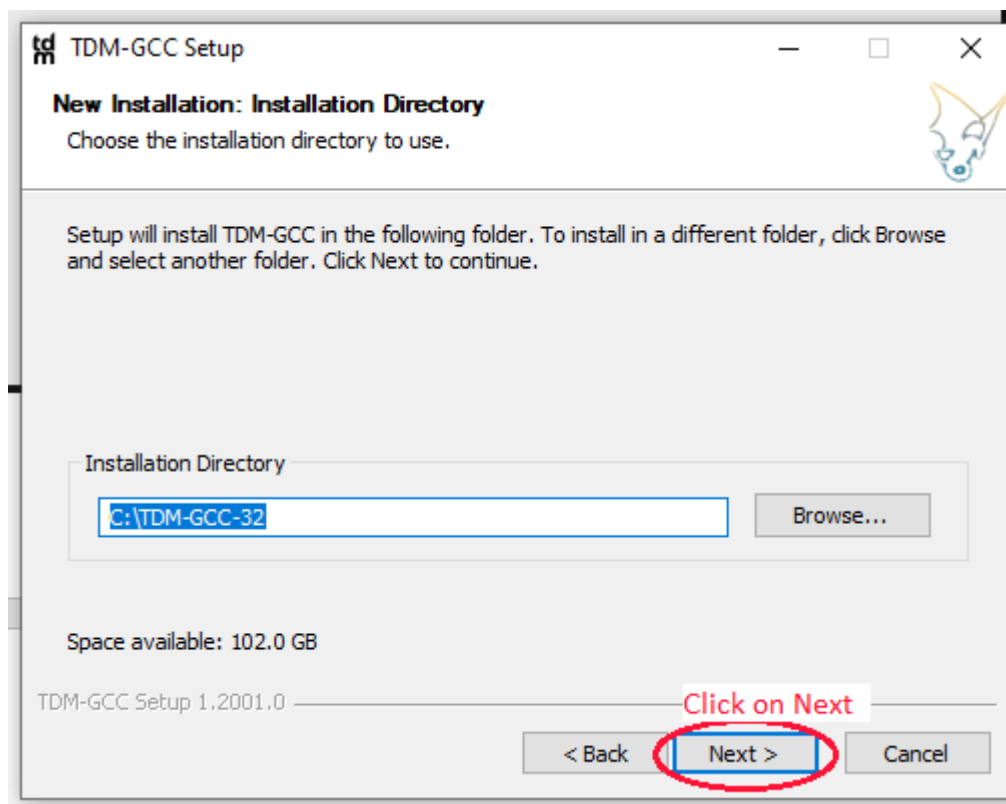
2.3 Click on Create and uncheck option for online updates



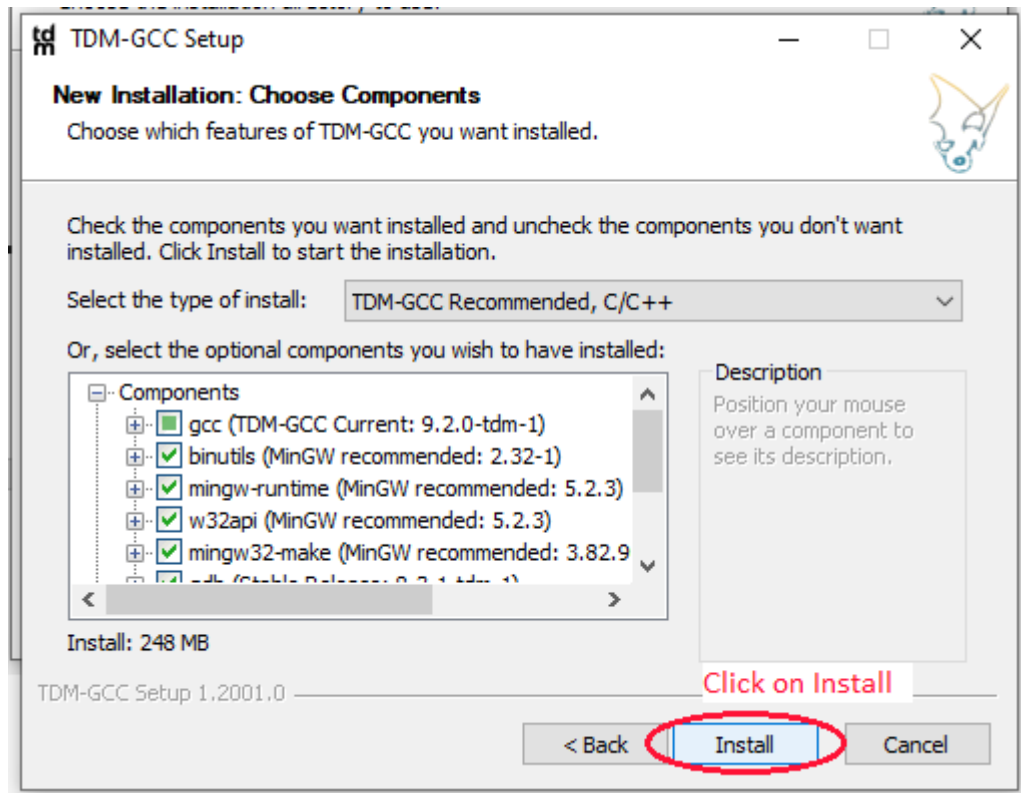
2.4 Select MinGW/TDM (32 bit) and click on Next



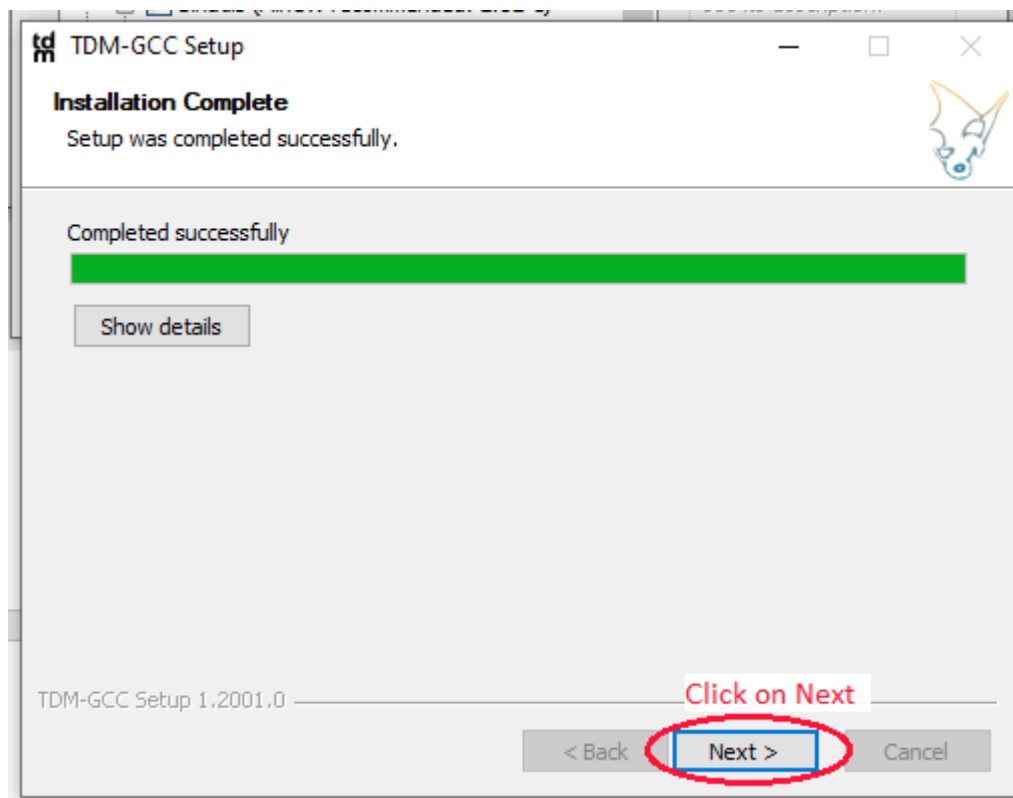
2.5 Click on Next



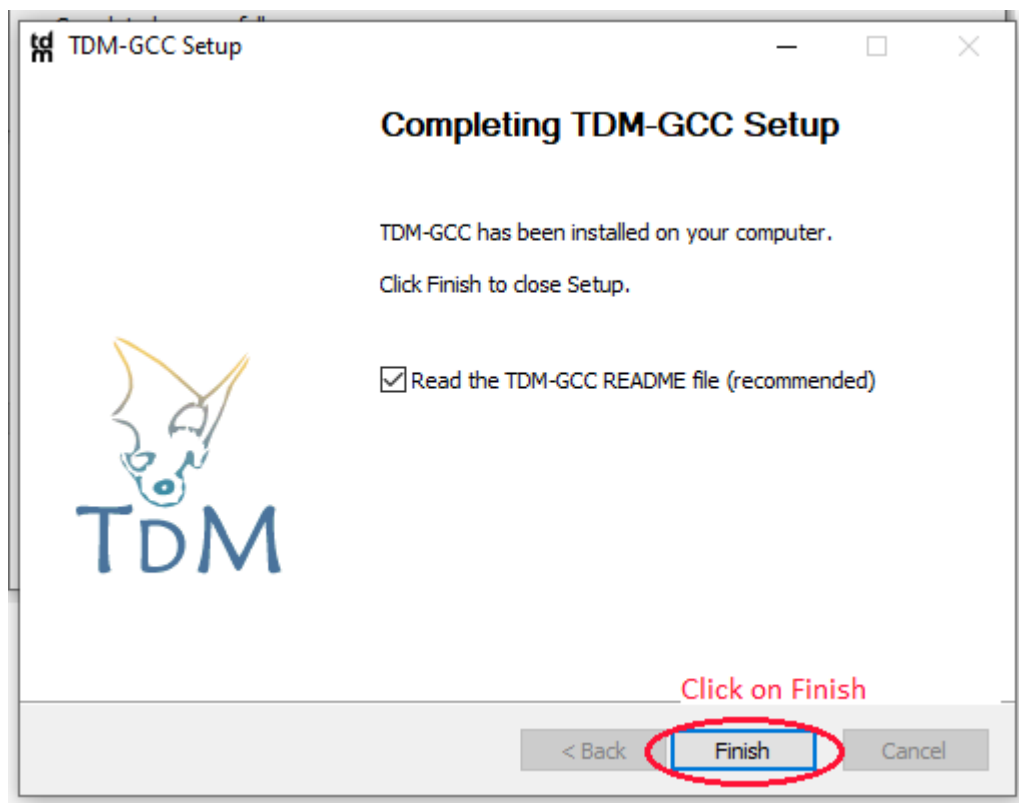
2.6 Click on Install



2.7 Click on Next



2.8 Click on Finish

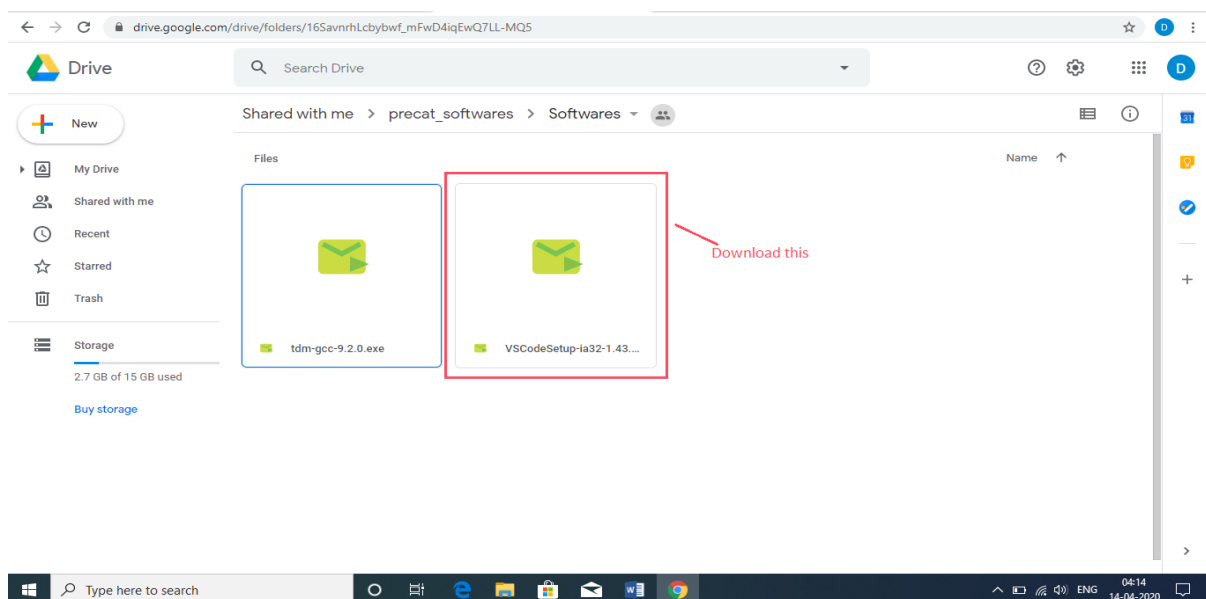


Now your compiler is ready to use.

3. Obtain Visual Studio Code

Visit - <https://drive.google.com/drive/folders/1ZLB2kqODQ8QZAj5dsDJoT2m4j4KvDfDq>

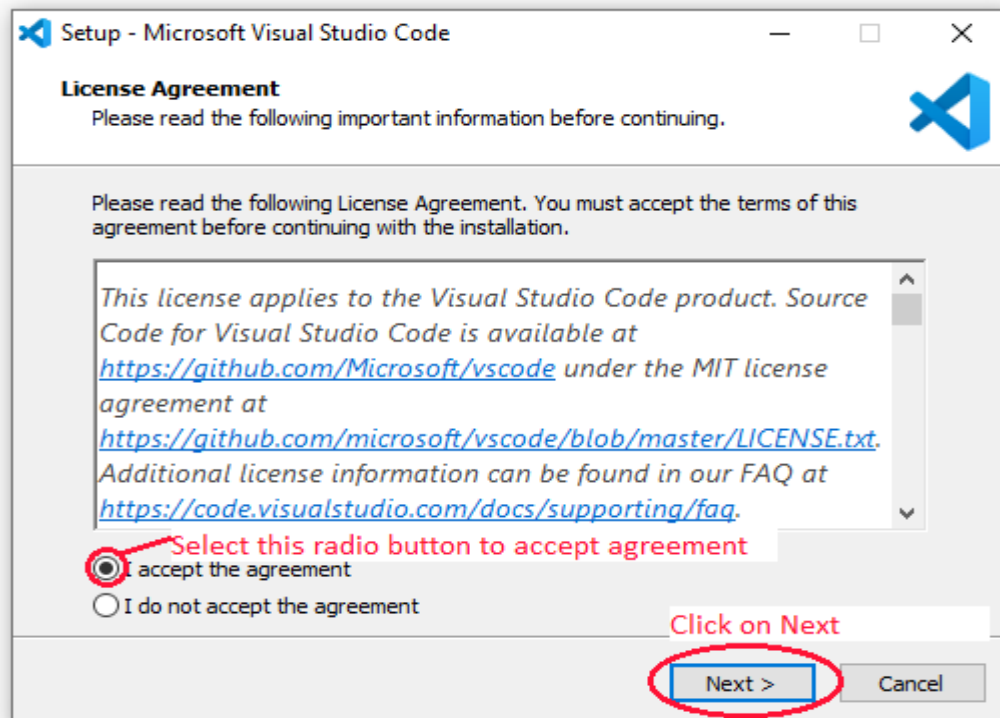
Download Executable file of Visual Studio Code (VSCodeSetup-ia32-1.43.2)



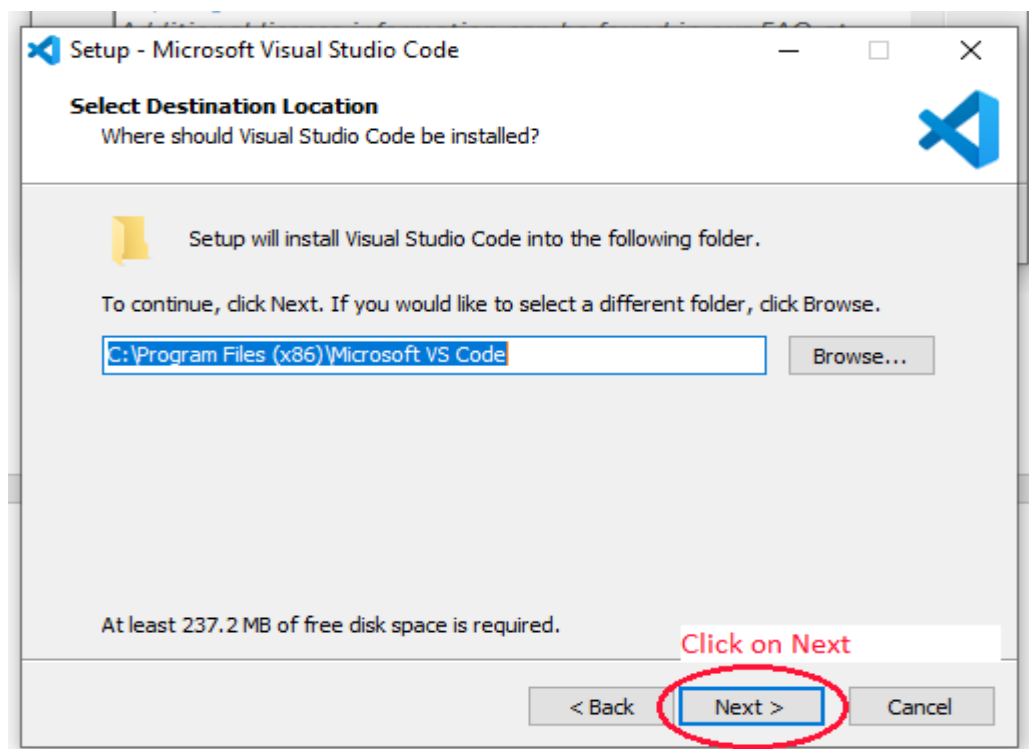
4. Installation steps for Visual Studio Code

You will get an executable file of Visual Studio Code, now it's time to install it.

- 4.1 Double click on downloaded file
- 4.2 Click on Yes to install it
- 4.3 Accept Agreement and click on Next button.

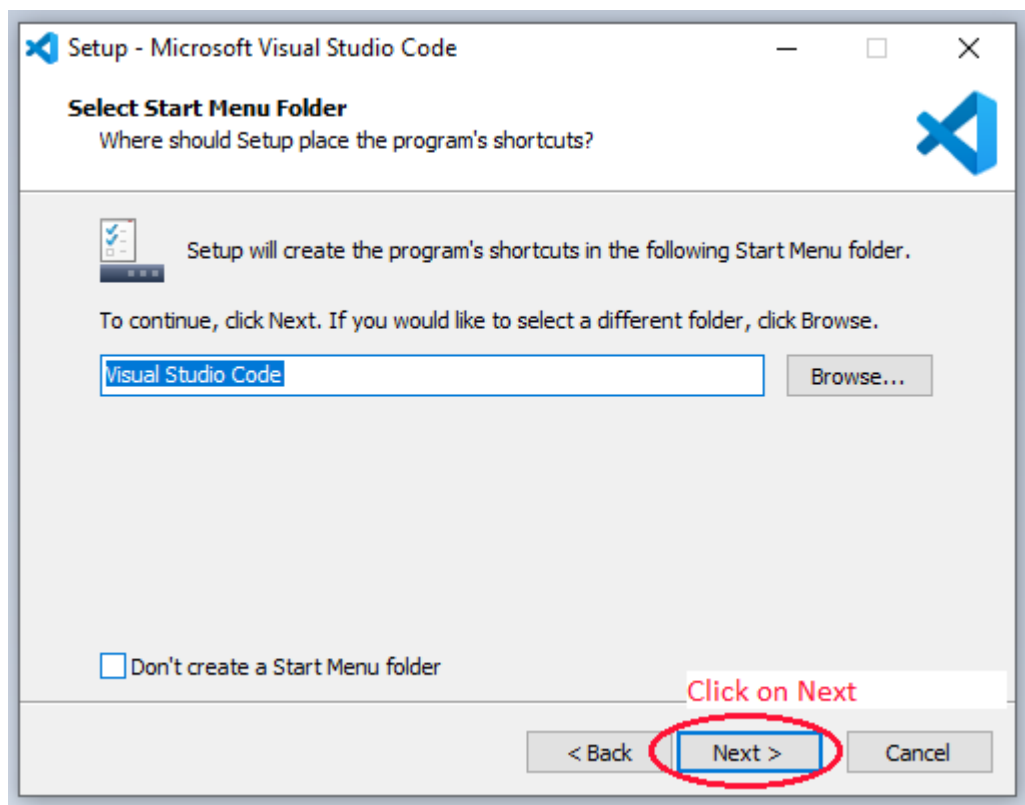


- 4.4 Click on Next

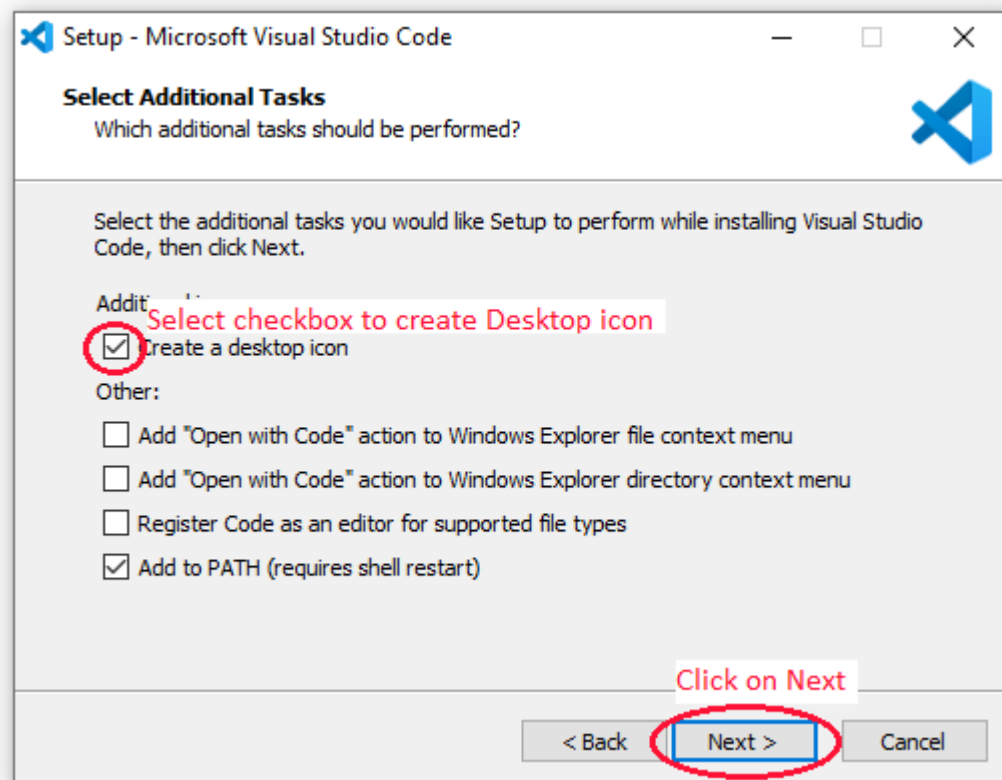


Sunbeam – PreCAT Installations

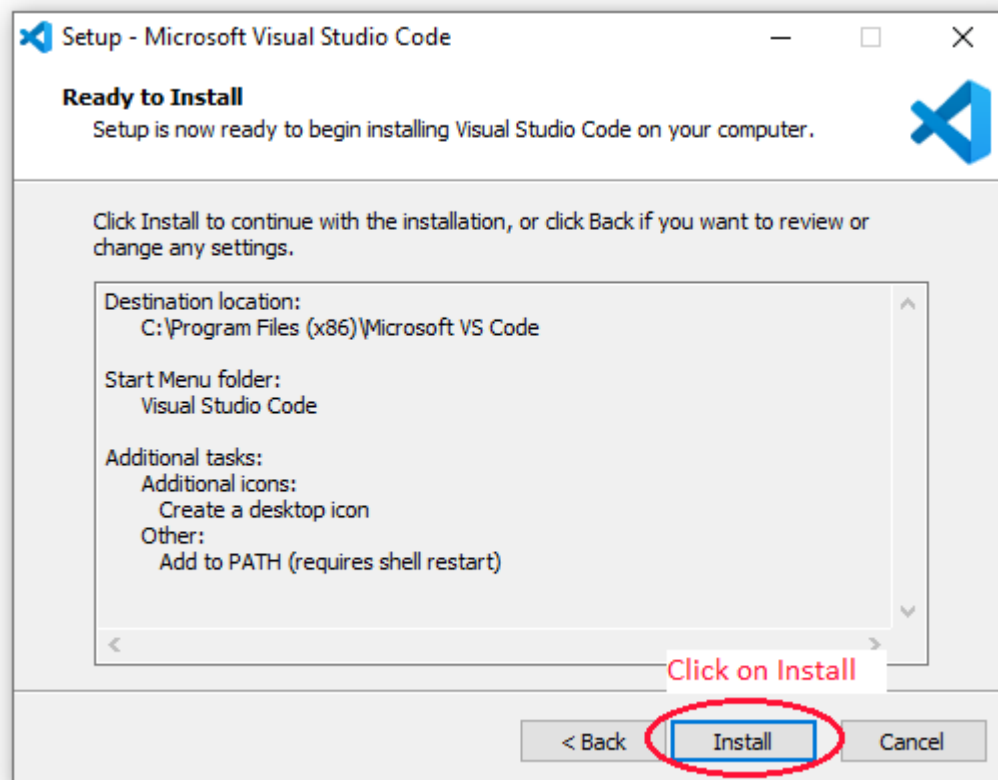
4.5 Click on Next



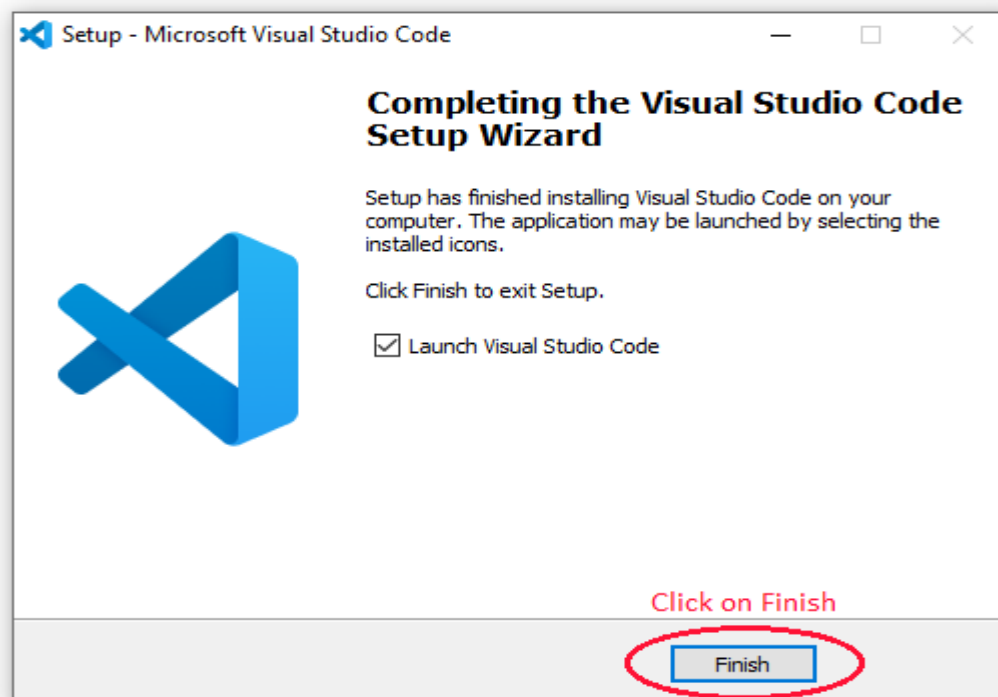
4.6 Select checkbox to create Desktop icon and click on Next



4.7 Click on Install



4.8 Click on Finish

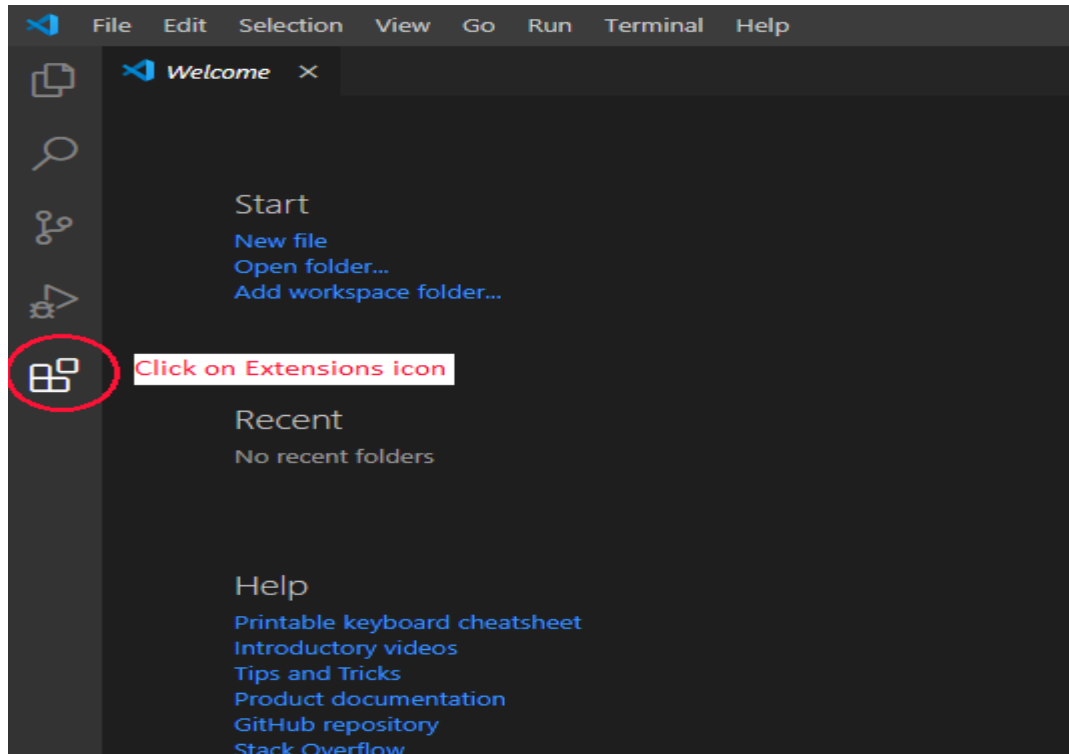


On your Desktop Visual Studio Code shortcut is created. Every time double click on this icon to open Visual Studio Code.

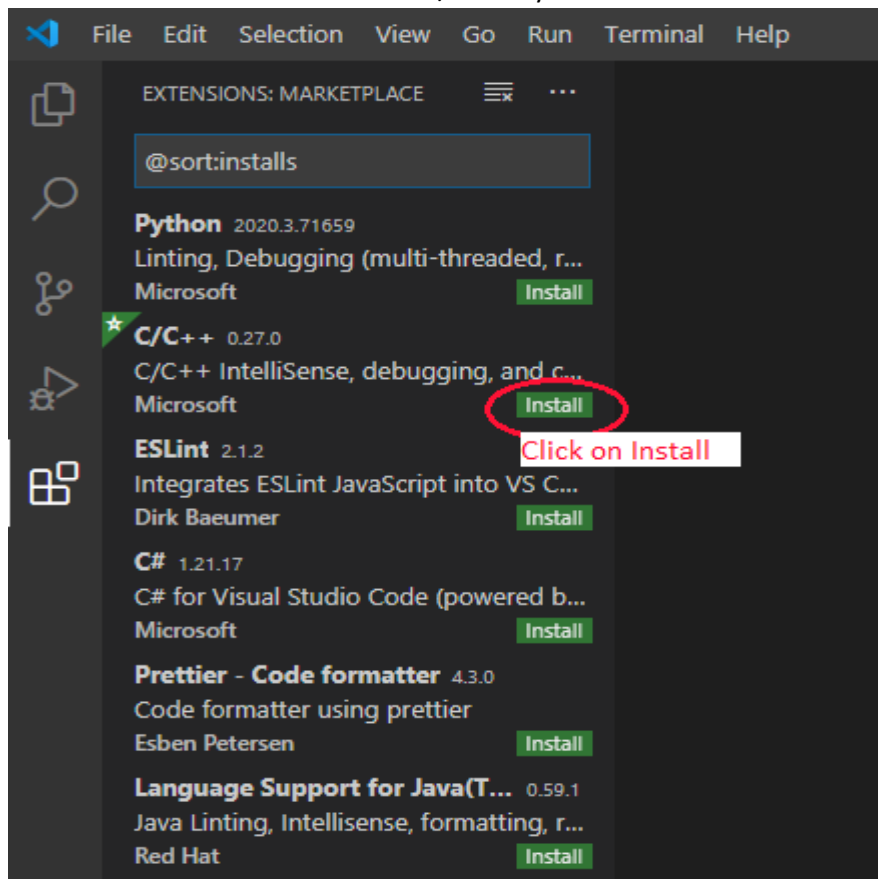
5. Configuration Steps for Visual Studio Code

5.1 Open Visual Studio Code. You will get a welcome window

5.2 Click on Extensions to add C/C++ extensions to VS Code



5.3 Click on Install to add extension of C/C++ to your editor.

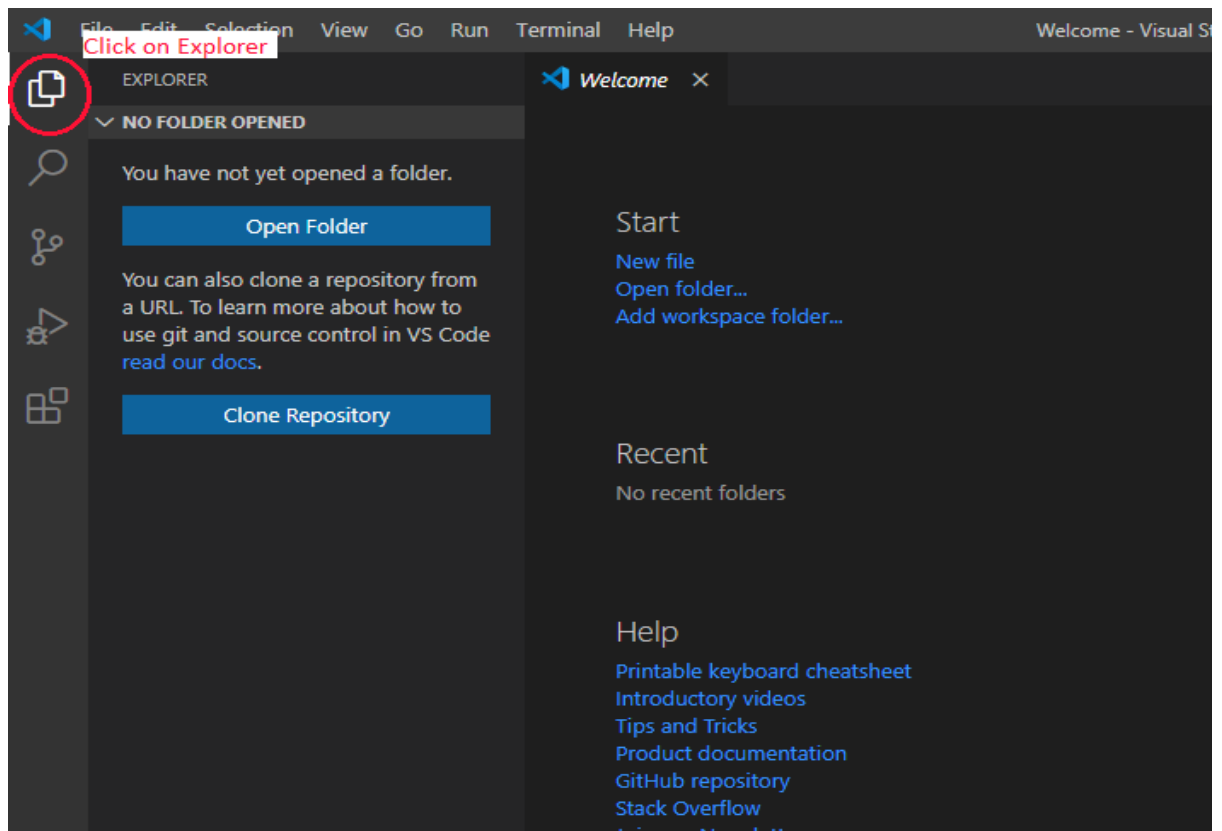


Now close your VS Code and your VS code is ready to do C programming

6. How to do Hello World Program in Visual Studio Code

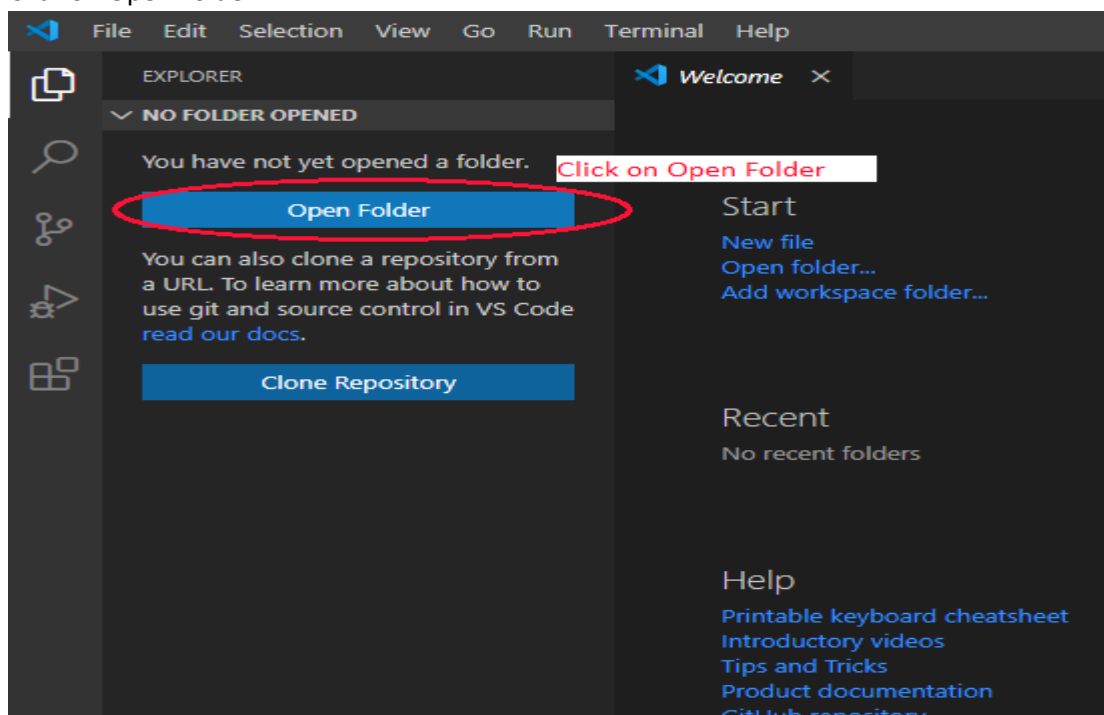
6.1 Open Visual Studio Code

6.2 Click On Explorer



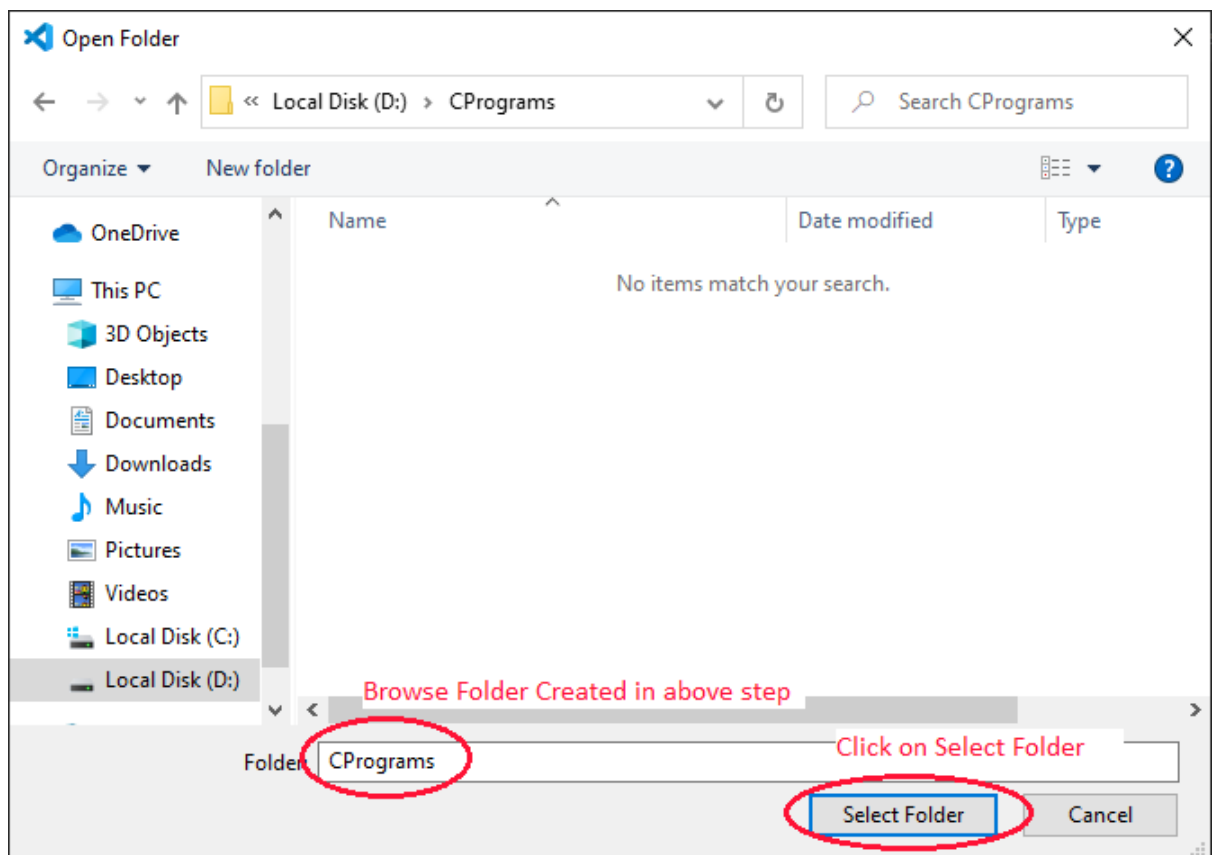
6.3 Create one folder in your D:/ drive to store your C programs with name “CPrograms”.

6.4 Click on Open Folder

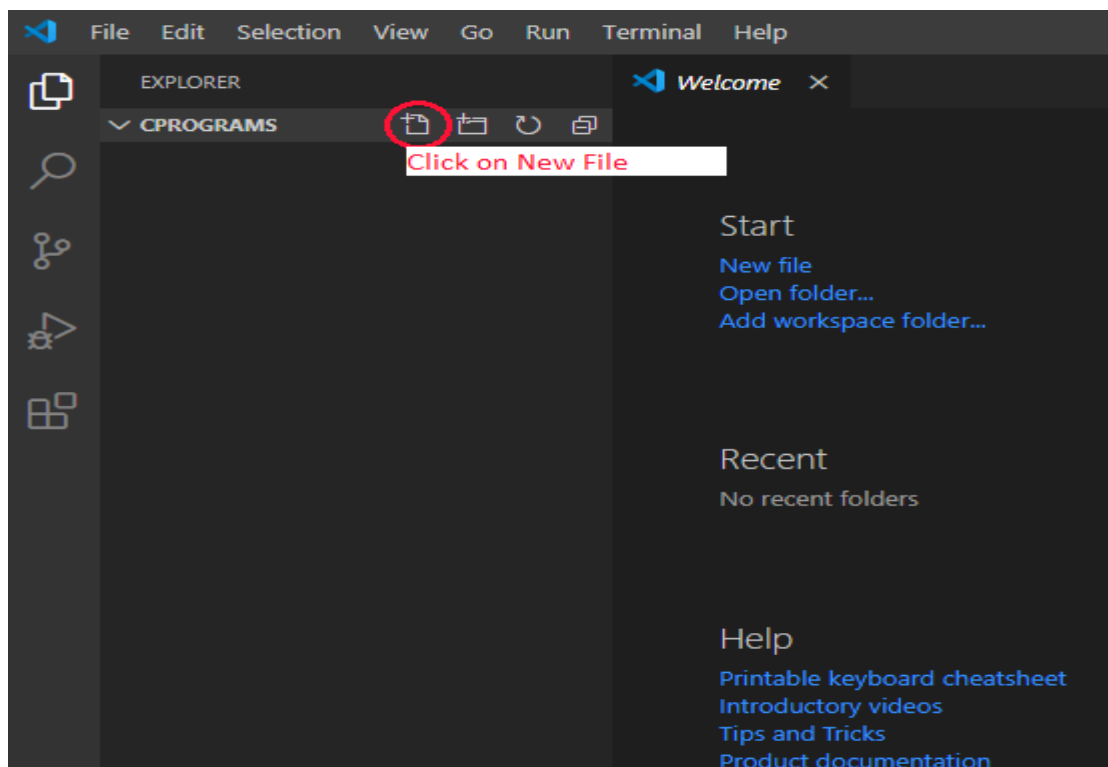


Sunbeam – PreCAT Installations

6.5 Browse Folder which is created in previous step 6. 3 and click on select Folder

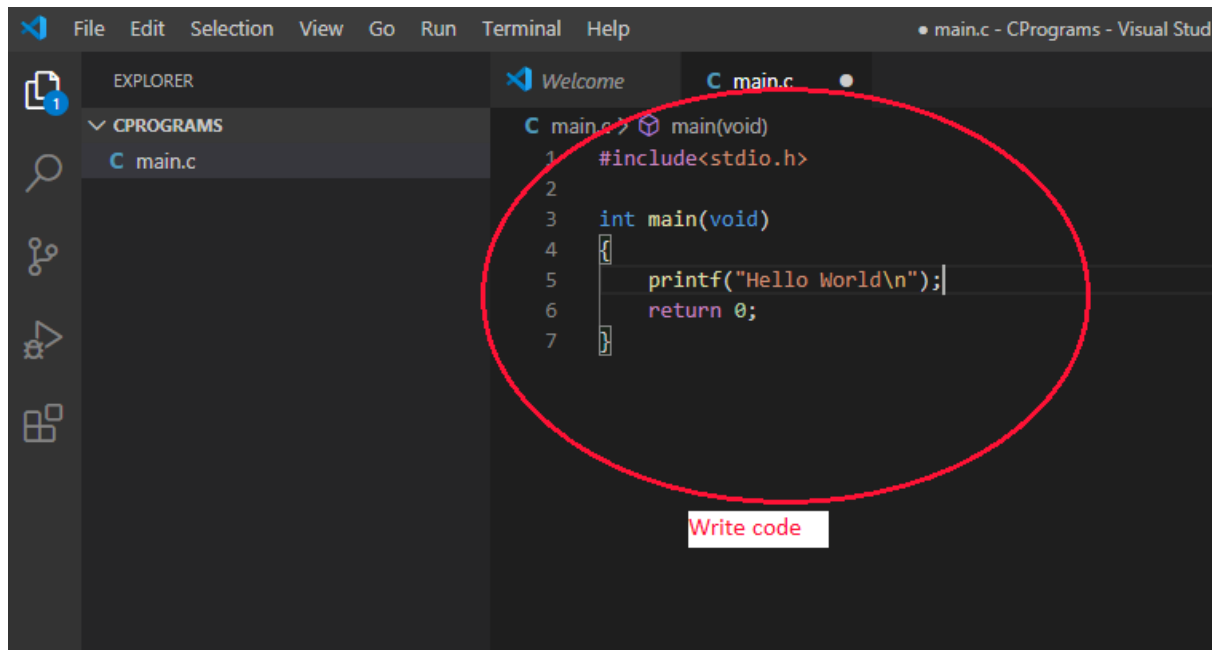


6.6 Create new .c file and give name “main.c”

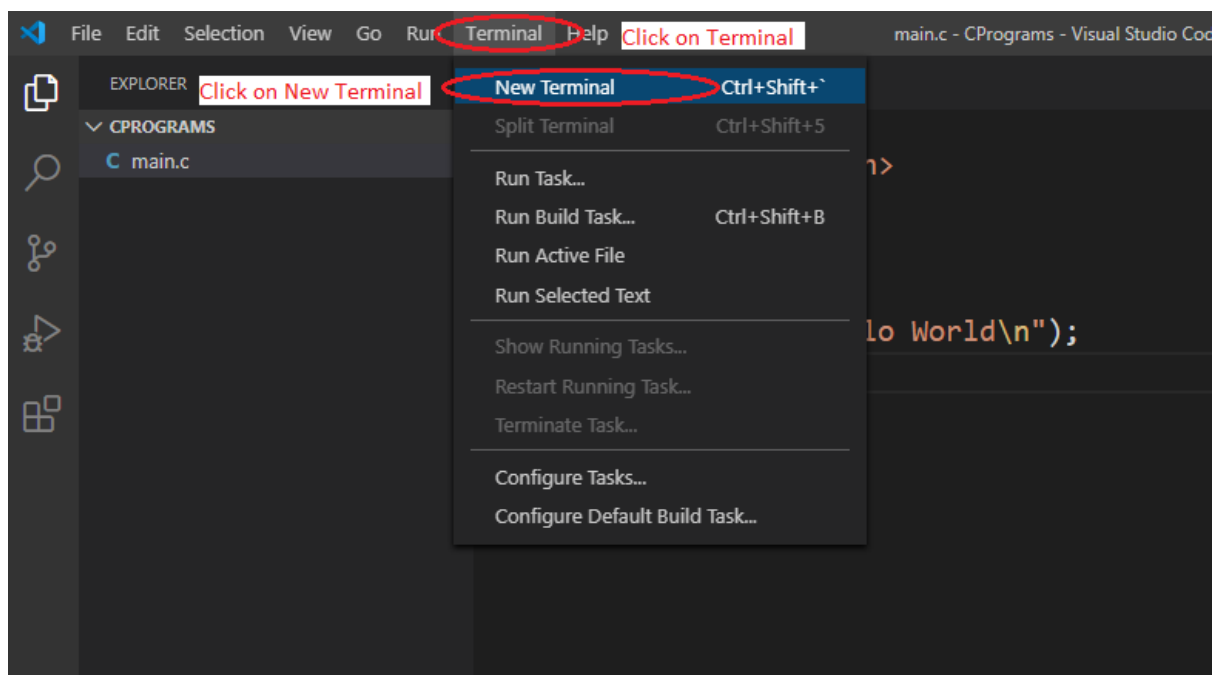


Sunbeam – PreCAT Installations

6.7 “main.c” file will be opened into editor. Write below mentioned code into file and save it.

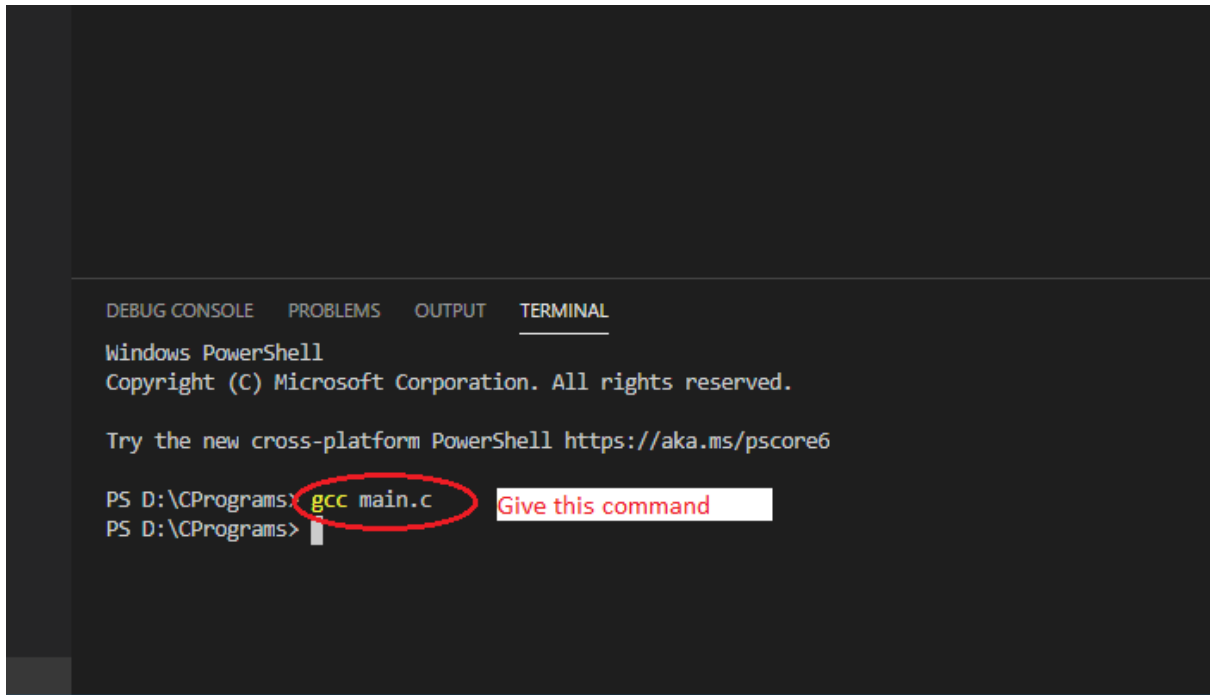


6.8 Click on Terminal option and click on New Terminal



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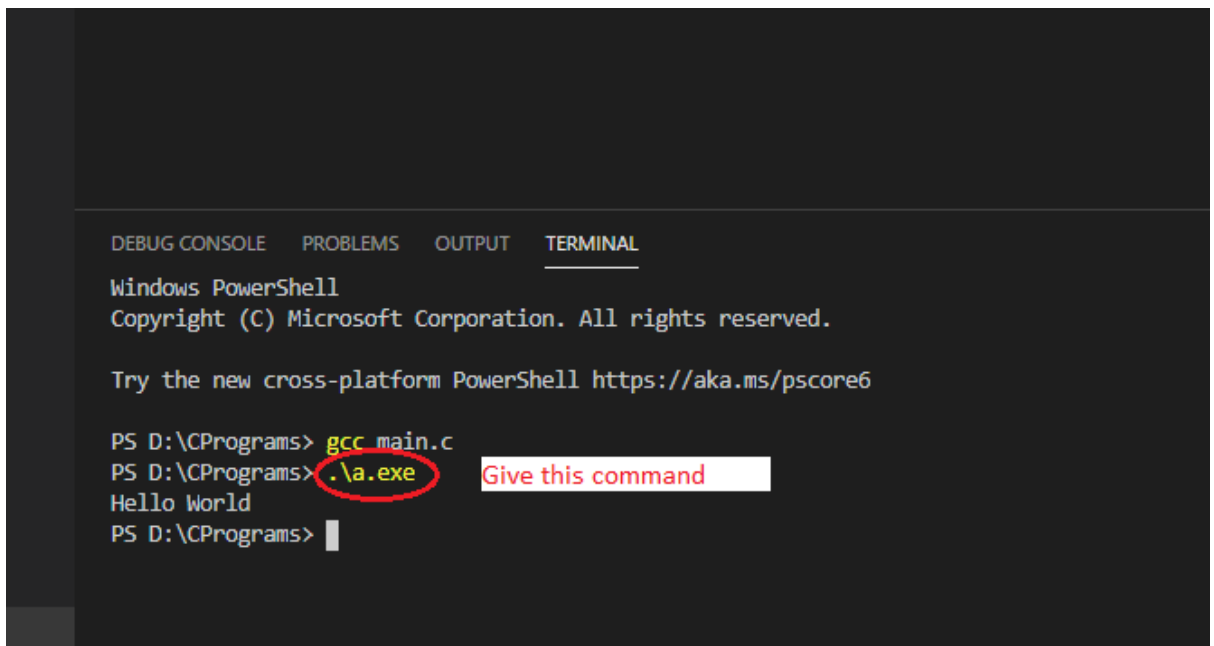
6.9 Give command “gcc main.c” to compile your C program



A screenshot of a Windows PowerShell terminal window. The title bar at the top reads "DEBUG CONSOLE PROBLEMS OUTPUT TERMINAL". The terminal content includes the standard PowerShell welcome message: "Windows PowerShell Copyright (C) Microsoft Corporation. All rights reserved. Try the new cross-platform PowerShell https://aka.ms/pscore6". Below this, the command prompt shows "PS D:\CPrograms> gcc main.c". The text "gcc main.c" is circled in red. To the right of the terminal, a white box with red text says "Give this command". The prompt continues with "PS D:\CPrograms>" and a cursor.

a.exe will be created in your folder.

6.10 Give command “.\a.exe” in same terminal to run your program



A screenshot of a Windows PowerShell terminal window, similar to the previous one. It shows the same PowerShell header. The command prompt sequence is: "PS D:\CPrograms> gcc main.c", followed by "PS D:\CPrograms> .\a.exe". The text ".\a.exe" is circled in red. To the right, a white box with red text says "Give this command". Below the command, the output "Hello World" is displayed. The prompt ends with "PS D:\CPrograms>" and a cursor.