

ACHARYA INSTITUTE OF TECHNOLOGY

Soladevanahalli, Bengaluru – 560107

DEPARTMENT OF AIML & CS(CS)



Principles of Programming Using C (BPOPS103)



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2024-25

TABLE OF CONTENTS

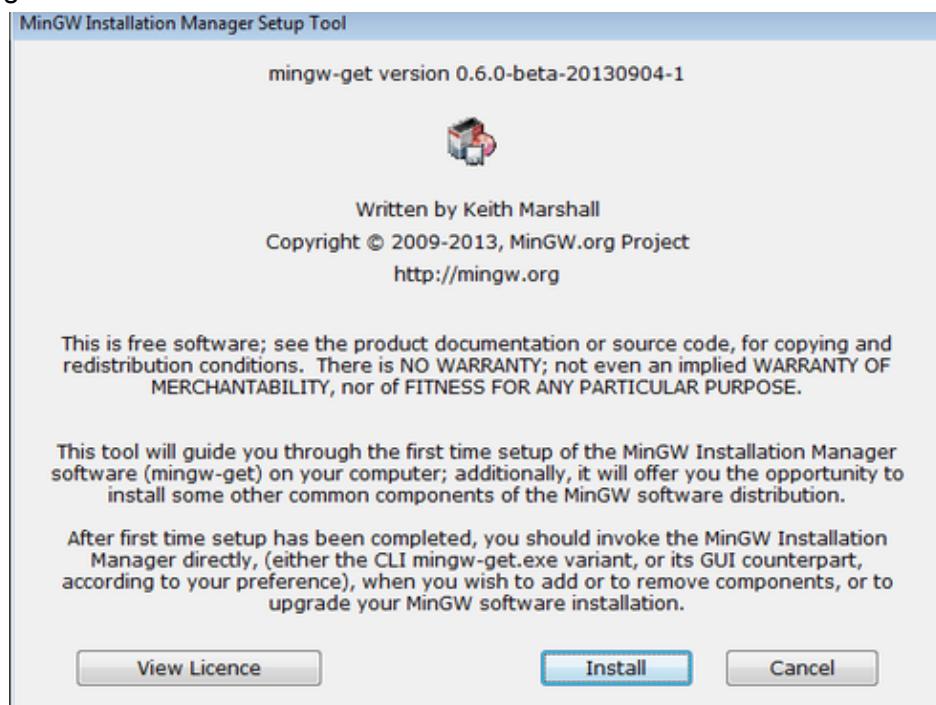
Exercise	Module	Page Nos
1	Introduction to GCC Installation in VS code	01 to 12

Principles of Programming Using C

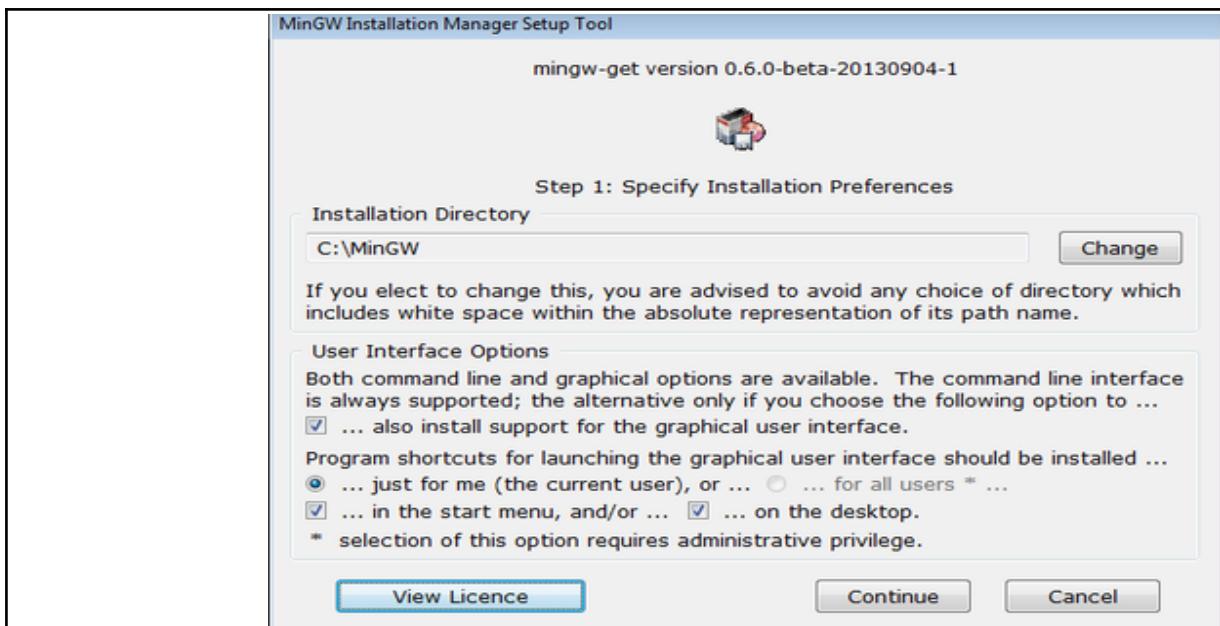
Course Code		Semester	1 Year
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C Compiler installation in Windows OS

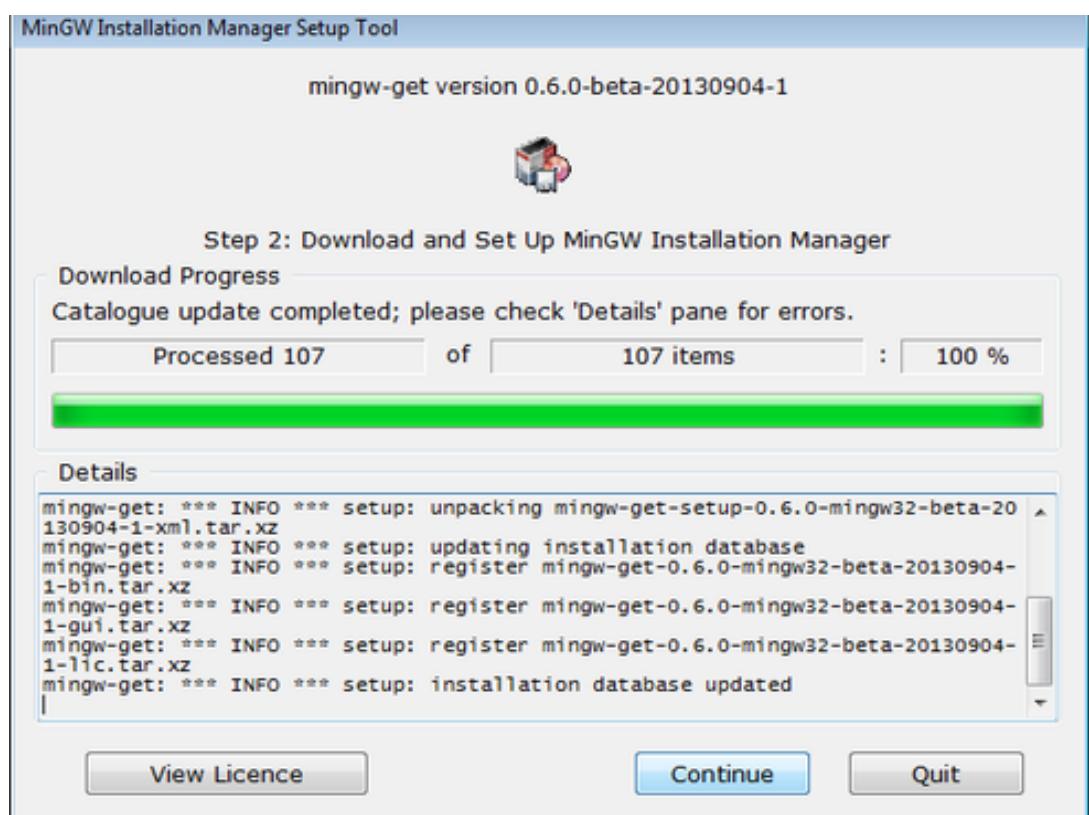
- Download MinGW - Visit link <https://sourceforge.net/projects/mingw>
- Start Installing MinGW



- Click install



- Keep default to c drive and click continue.



- Click continue to proceed to select compiler

Manager
Settings

Package	Class	Installed Version	Repository Version	Description
mingw32-mgwport	doc		0.10.6-1	MinGW/MSYS source packaging
mingw32-mgwport	lic		0.10.6-1	MinGW/MSYS source packaging
mingw32-mingw-get	bin	0.6.1-beta-20130...	0.6.1-beta-20130...	MinGW Package Download and Installation Tool
mingw32-mingw-get	gui	0.6.1-beta-20130...	0.6.1-beta-20130...	MinGW Package Download and Installation Tool
mingw32-mingw-get	lic	0.6.1-beta-20130...	0.6.1-beta-20130...	MinGW Package Download and Installation Tool
mingw32-mingw-utils	bin		0.4-1	Various useful tools for MinGW
mingw32-mingw-utils	doc		0.4-1	Various useful tools for MinGW

!!!

General Description Dependencies Installed Files Versions

MINGW Package Download and Installation Tool

mingw-get is a tool to assist users in the management of MinGW and MSYS software installations. Configuring the XML database, which is managed by the project maintainers, it offers a choice of command line and graphical user interfaces for selective download and installation of packages provided by the project.

The XML database provides maintainers with a mechanism for the specification of inter-package dependencies, such that the end user may elect to install just that specific package, leaving minor dependencies will be automatically satisfied at installation time.

This package provides the binary components which are required to run mingw-get as a command line tool, to which are common to both command line and graphical user interfaces. If you prefer a graphical user interface, use mingw32-mingw-get-gui in addition to this package.

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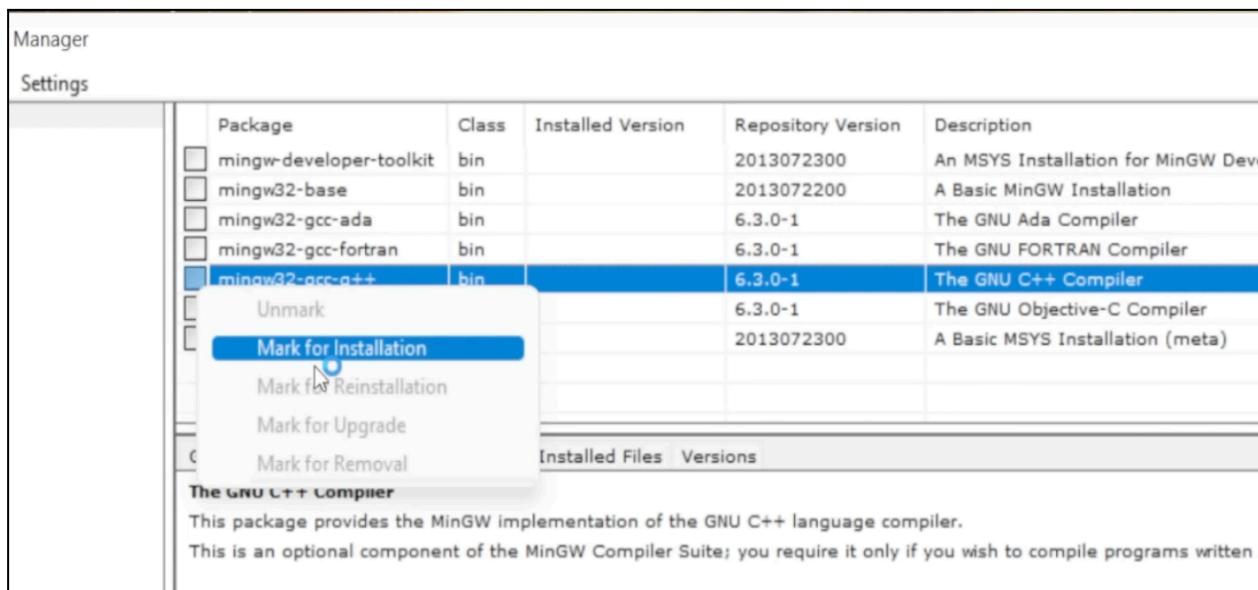
MinGW Package Download and Installation Tool

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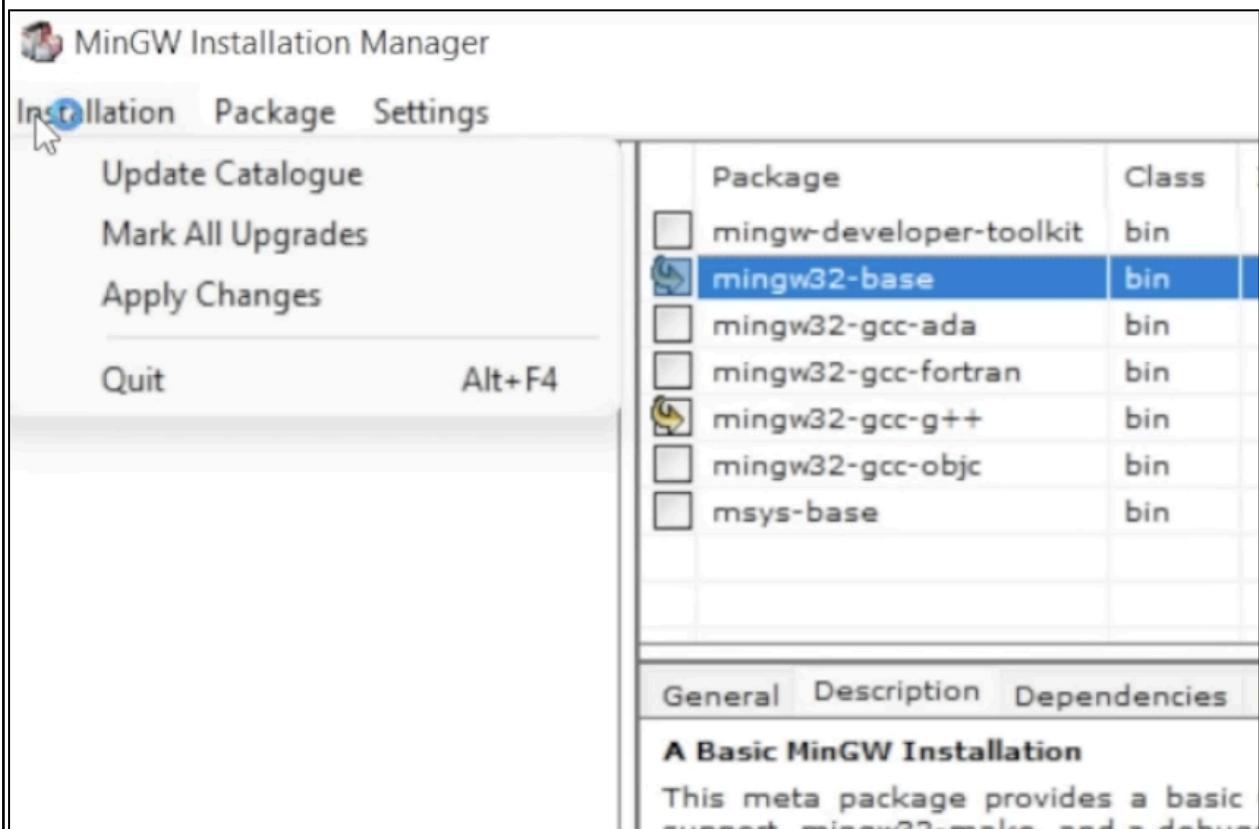
The XML database provides maintainers with a mechanism for the specification of inter-package dependencies, such that the end user may elect to install just that specific package, leaving minor dependencies will be automatically satisfied at installation time.

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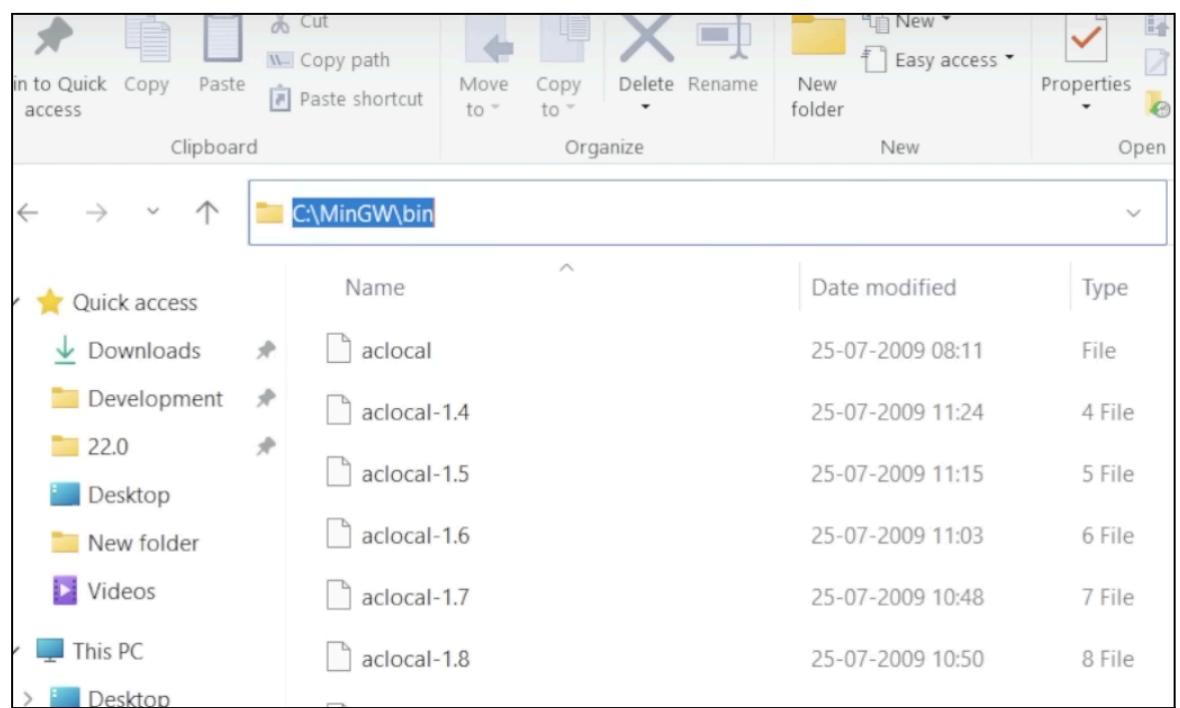
- Select mingw-32-gcc-g++



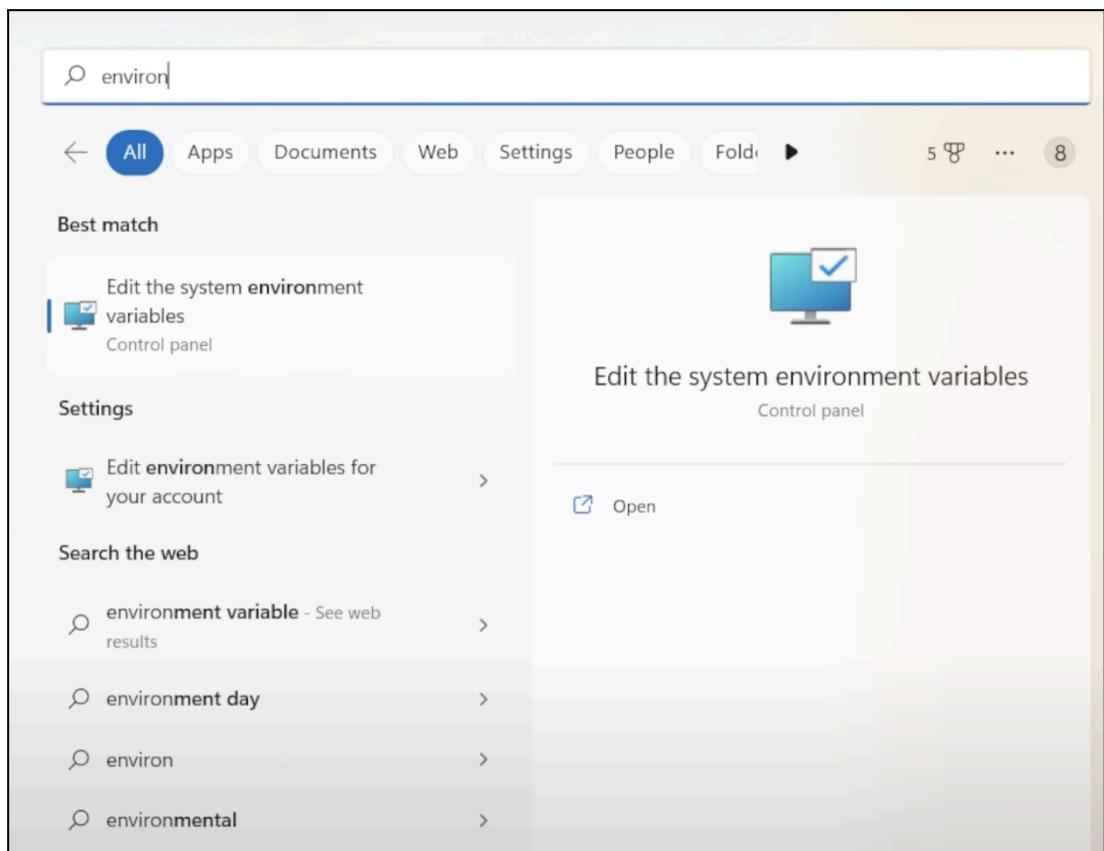
- Select and click mark for installation



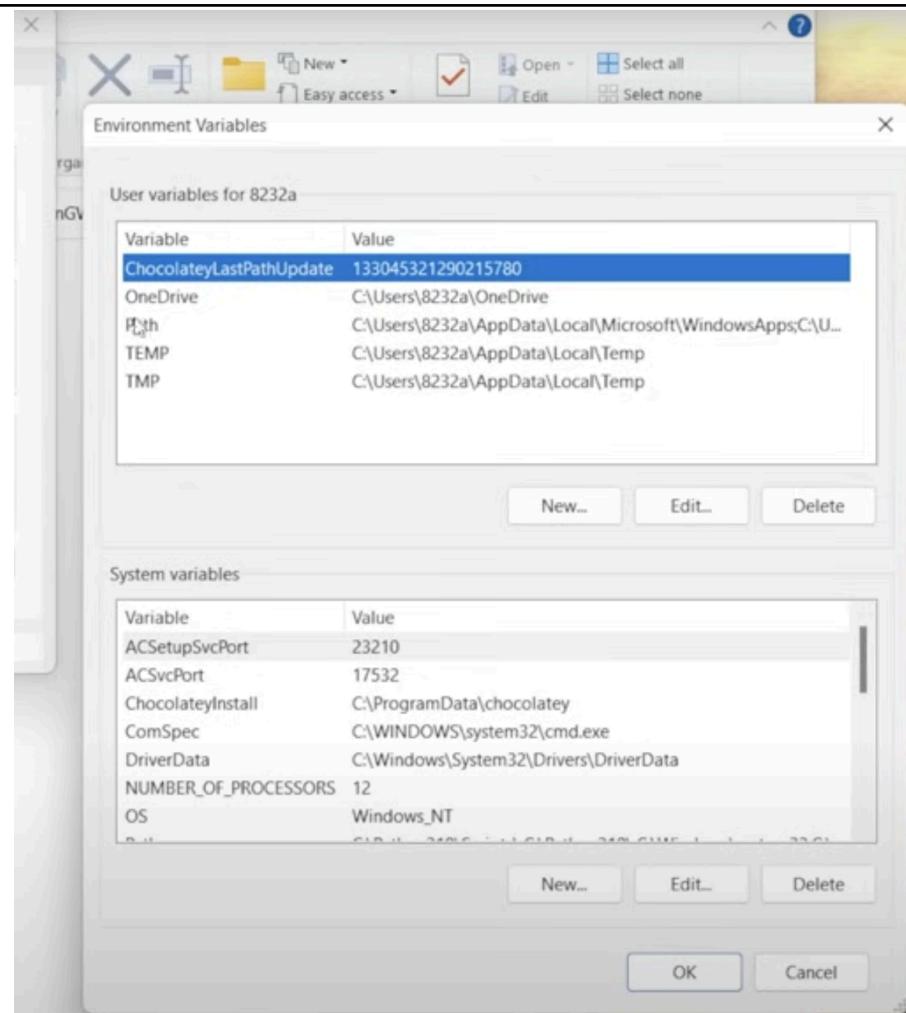
- Click apply changes



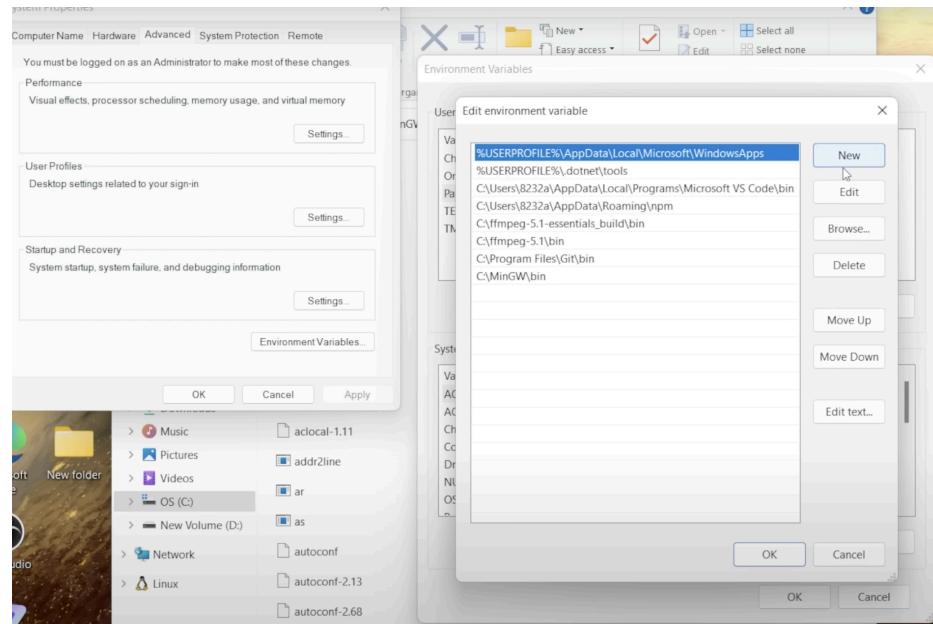
- Go to the folder in c drive where it is installed and copy the address till bin.



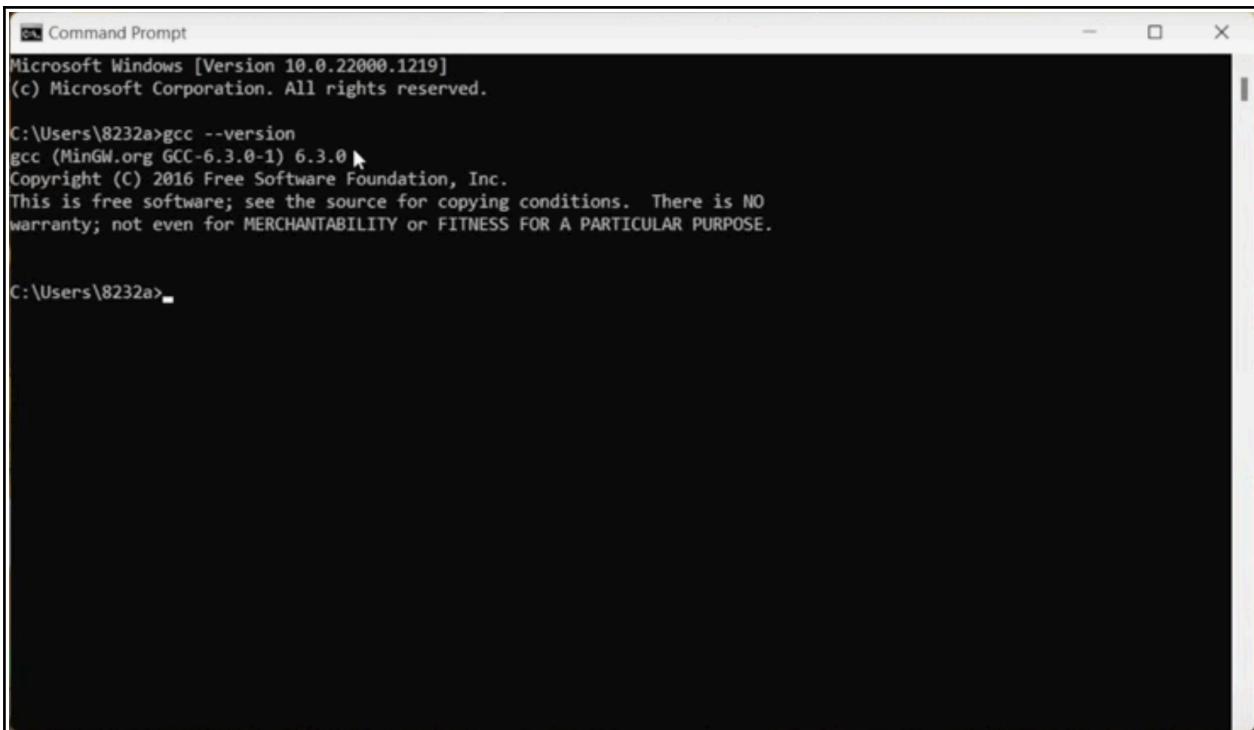
- We need to register MinGW into computer with Environment Variables



- Click on Path in user variables section



- Paste the path of MinGW installed folder till bin into New entry

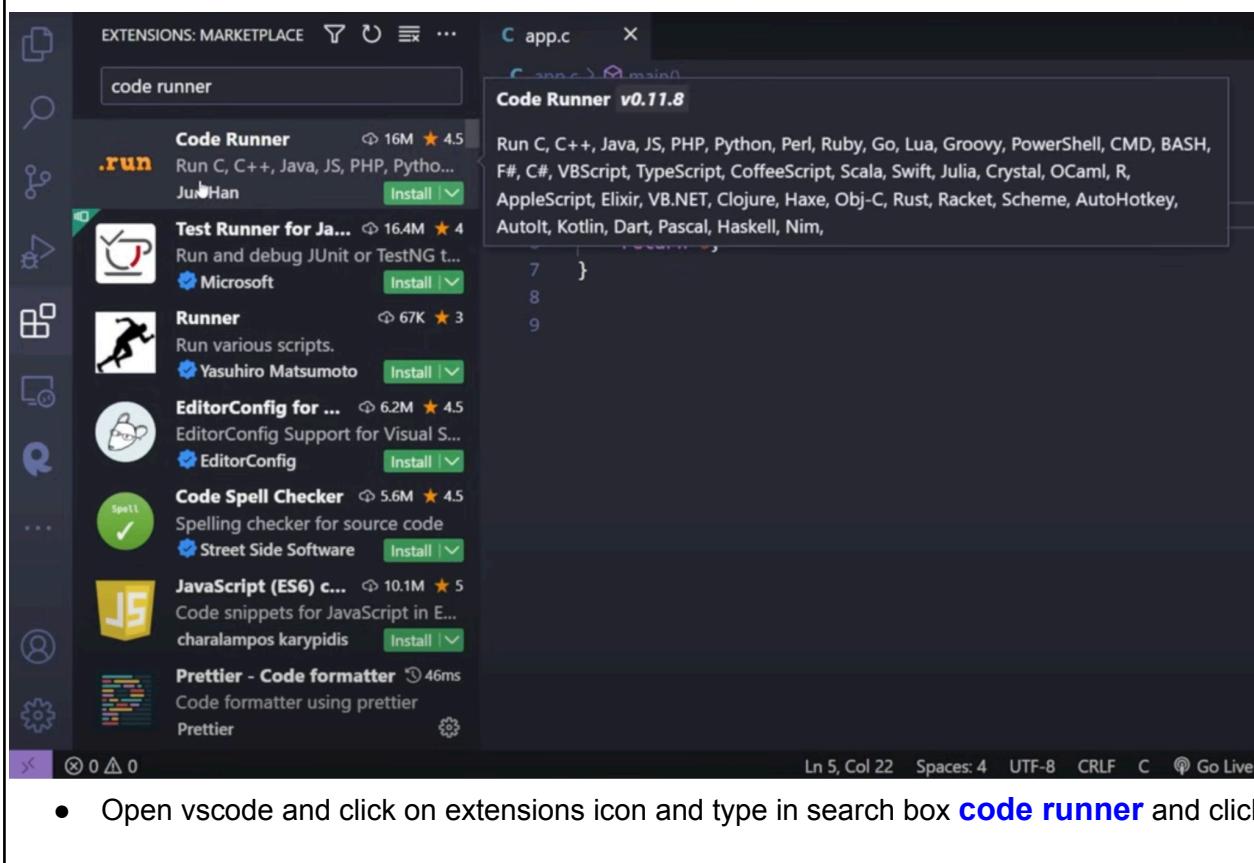


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Command Prompt
Microsoft Windows [Version 10.0.22000.1219]
(c) Microsoft Corporation. All rights reserved.

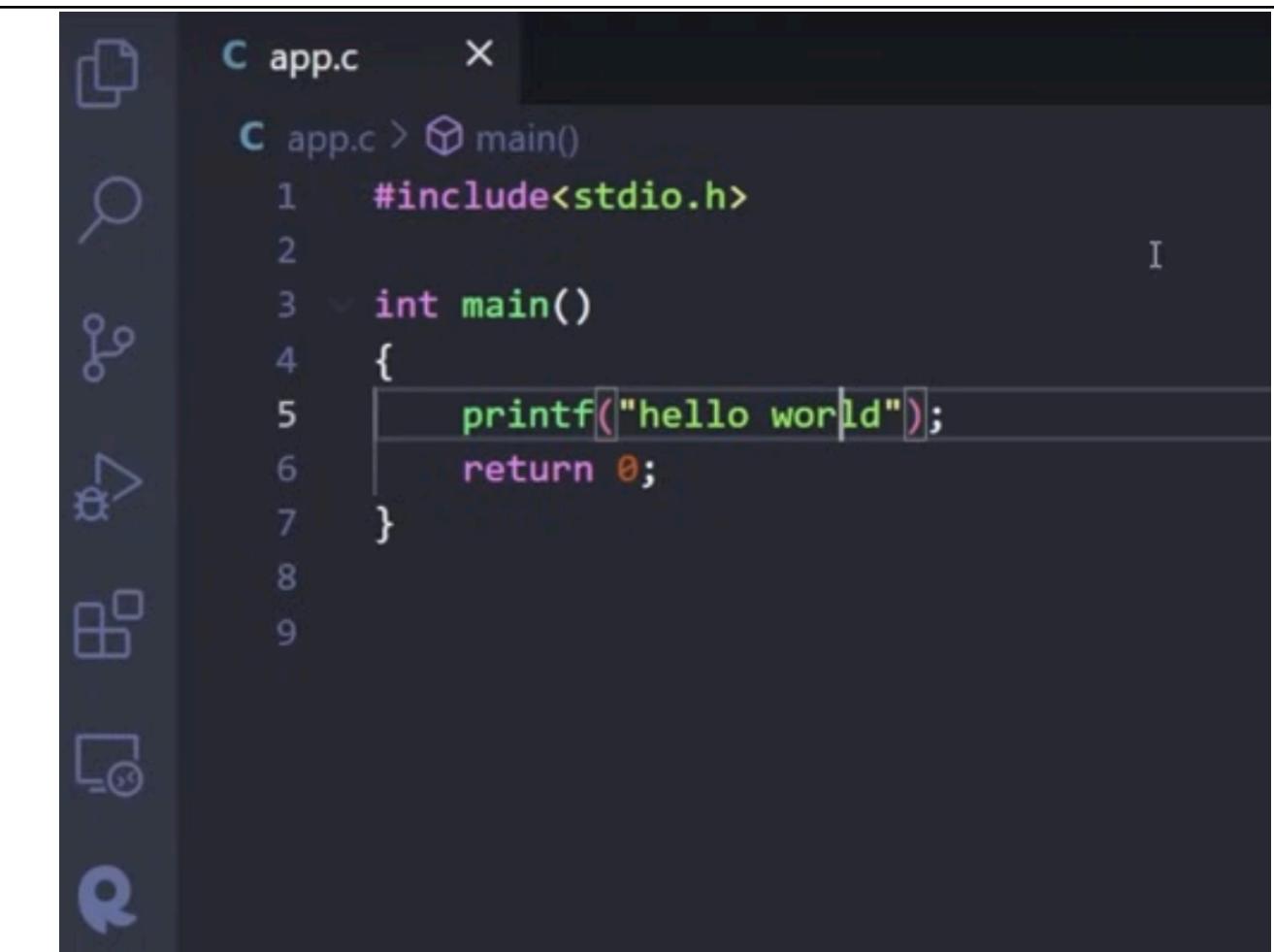
C:\Users\8232a>gcc --version
gcc (MinGW.org GCC-6.3.0-1) 6.3.0
Copyright (C) 2016 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

C:\Users\8232a>
```

- Open Command prompt and enter command **gcc - -version**



- Open vscode and click on extensions icon and type in search box **code runner** and click install



```
C app.c      X
C app.c > ⚡ main()
1   #include<stdio.h>
2
3   int main()
4   {
5       printf("hello world");
6   }
7
8
9
```

- Create a file with extension .c

Ref video:

<https://youtu.be/9VE7p-he4fA>

References:

video:

<https://youtu.be/9VE7p-he4fA>



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