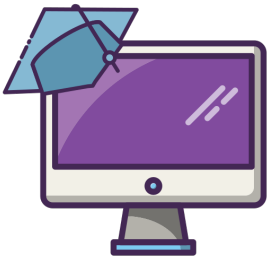
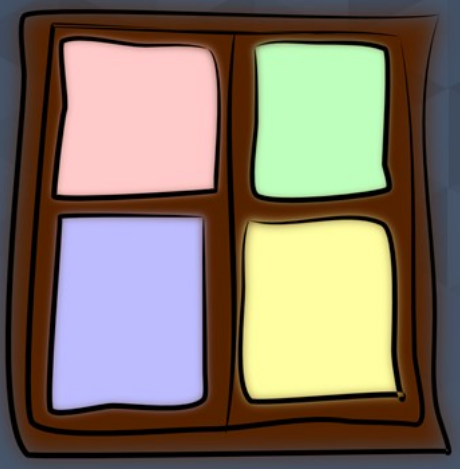
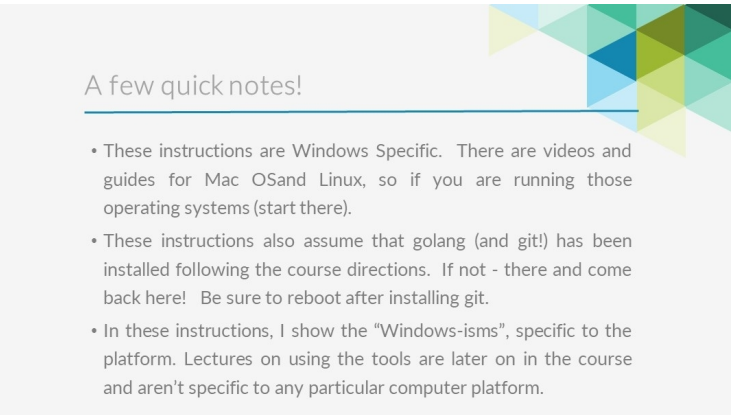


The Complete Google Go Programming Course For Beginners

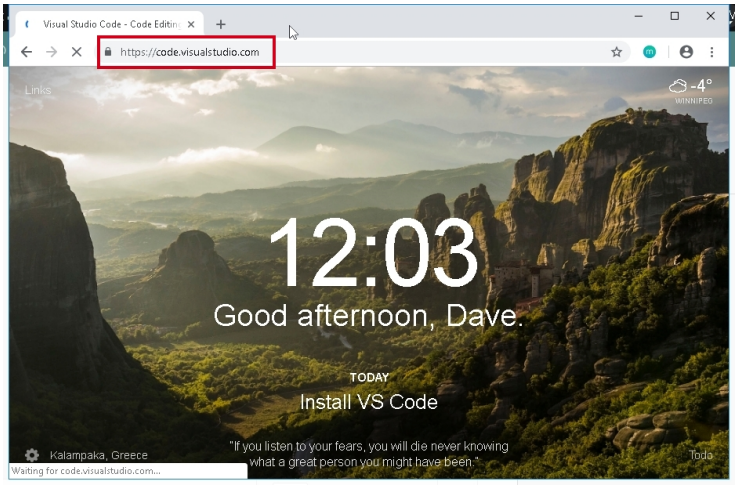
Windows Installation Visual Studio Code





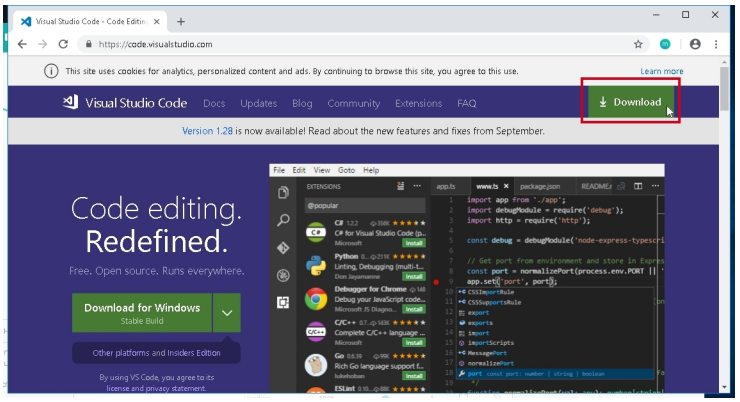
Visit code.visualstudio.com

Launch your favorite web browser and visit code.visualstudio.com



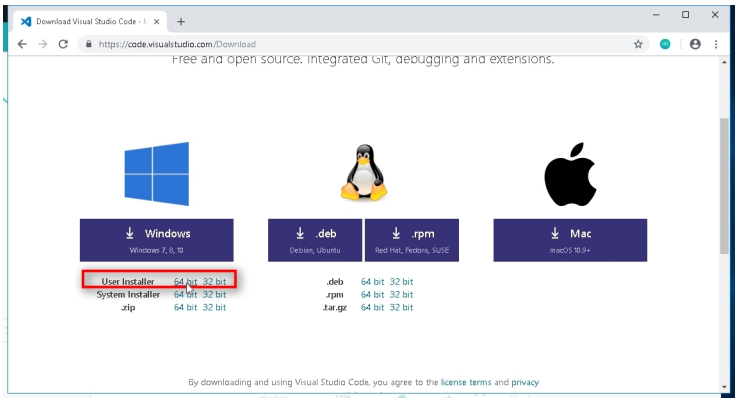
Download VS Code

Click download at (1) to see different versions and choose one to download. Alternatively, you can select "Download for Mac" in (2). The instructions are for download (1) in the top right corner



Select the Windows Version

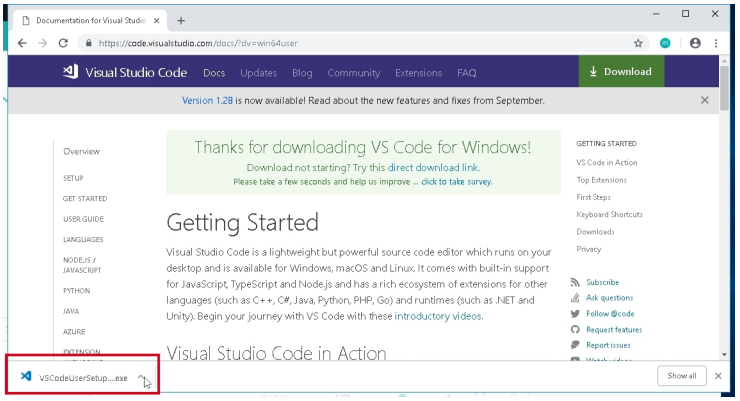
Click on "User Installer". Note that user installer is the new standard ofr installation.



Download will begin

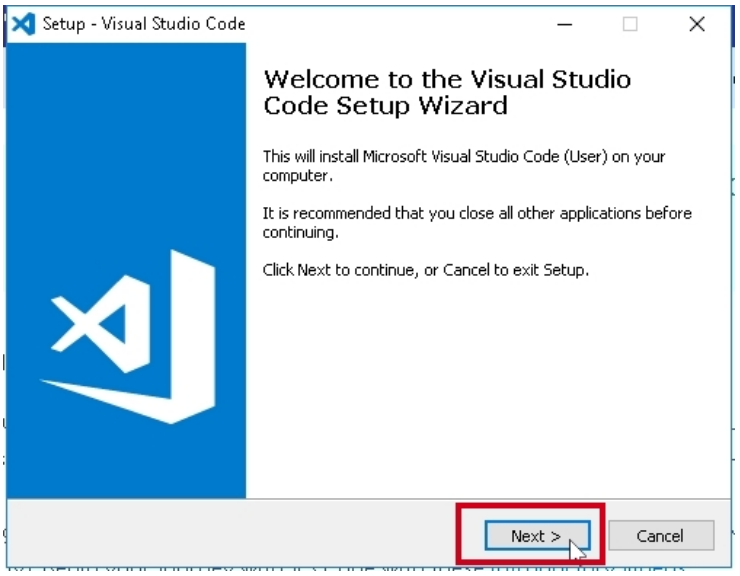
Open the download

Once complete, open the downloaded executable file to begin installation.



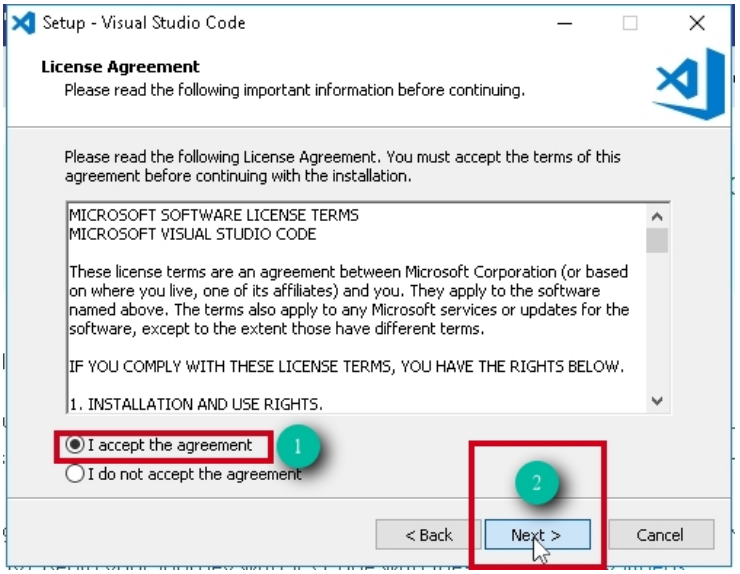
Installation will begin

Select next to continue the installation.



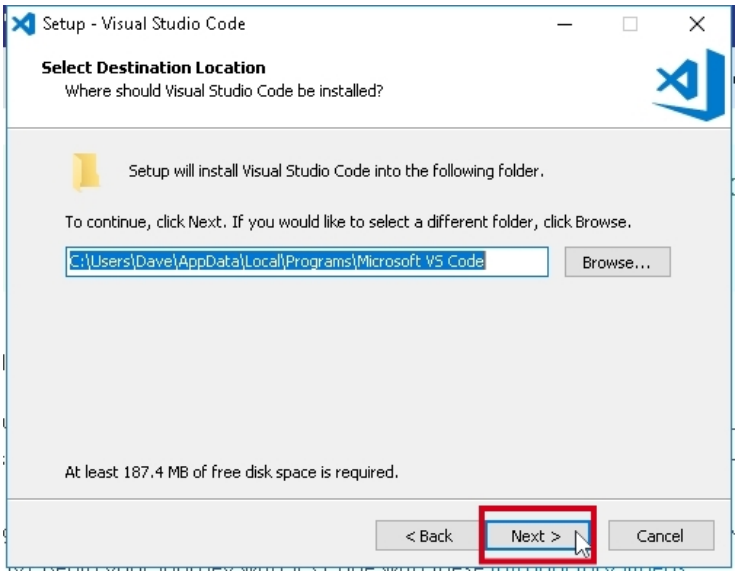
License Agreement

1) accept the licences agreement
2) select next to continue installation



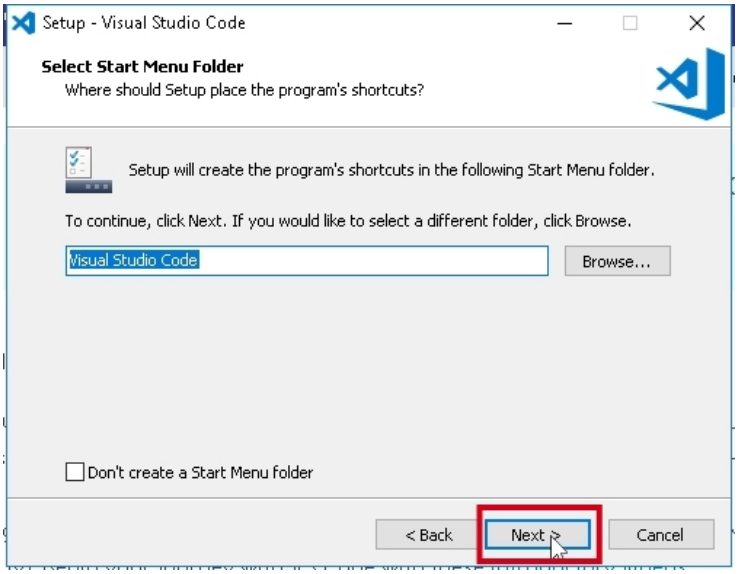
Select Destination Location

Select next to accept the default destination location.



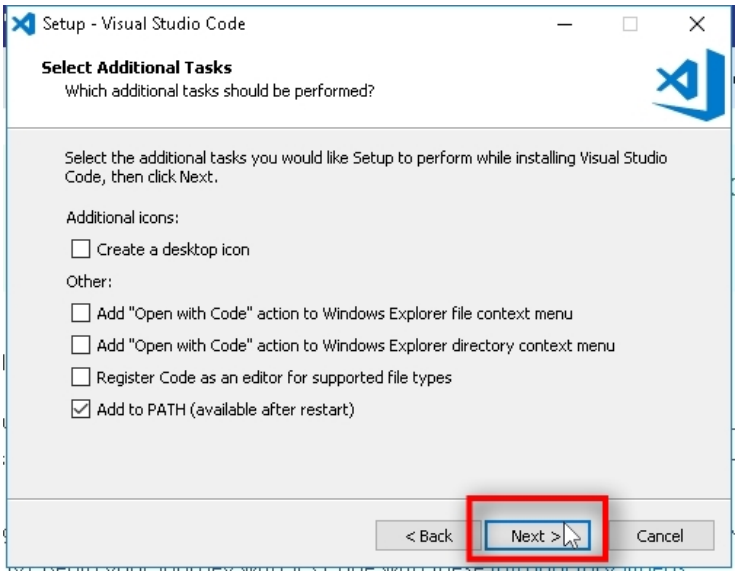
Select Start Menu Folder

Select next to accept the default start menu folder.



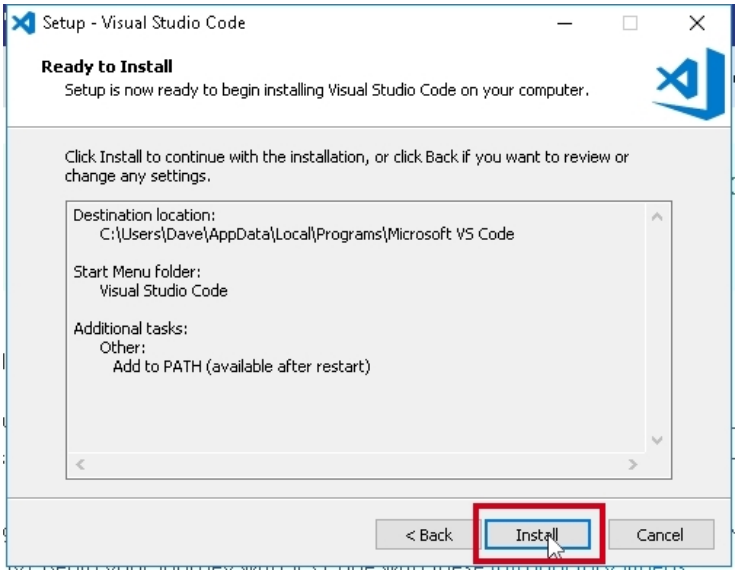
Select additional Tasks

Select next to accept the default Additional Tasks.

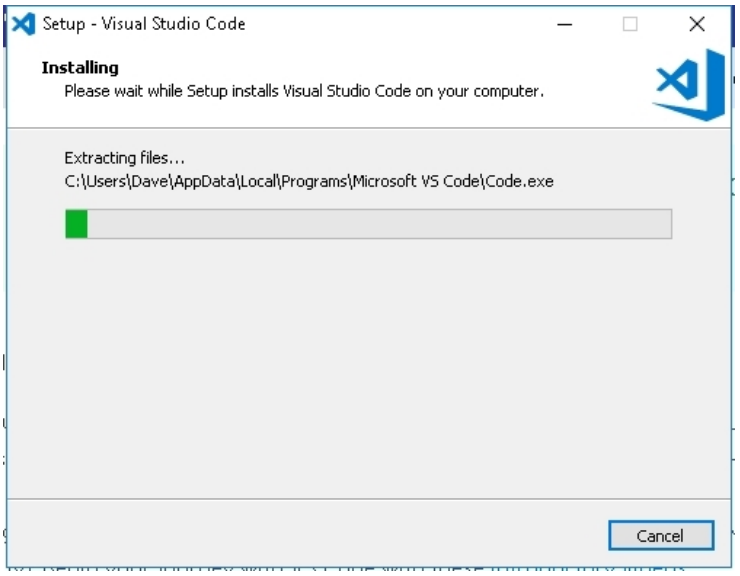


Ready to Install

Select Install to begin installation.

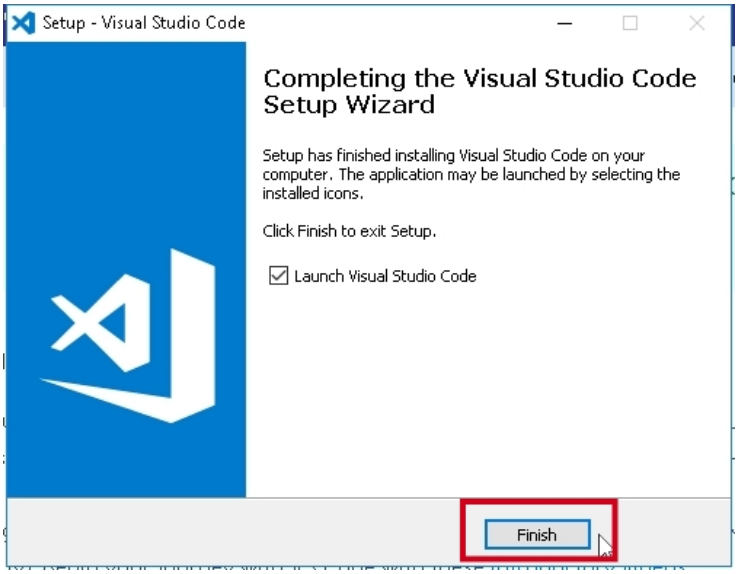


Installation will begin



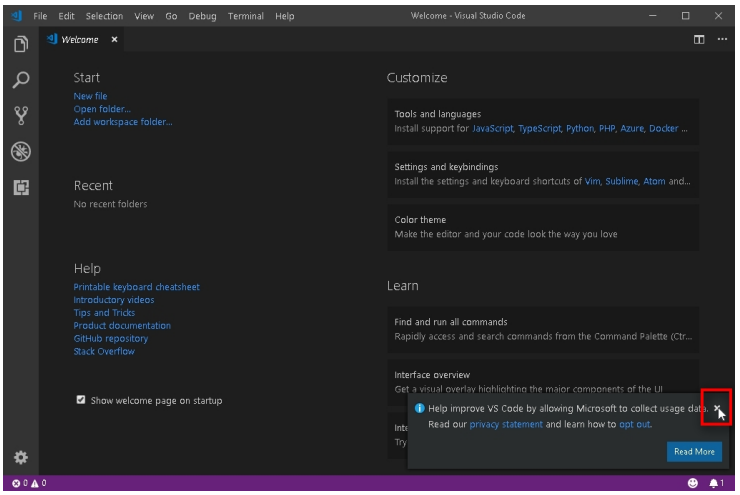
Completing the Visual Studio Code Setup Wizard

Select finish, with the Launch Visual Studio Code option selected, to complete installation and launch Visual Studio Code.



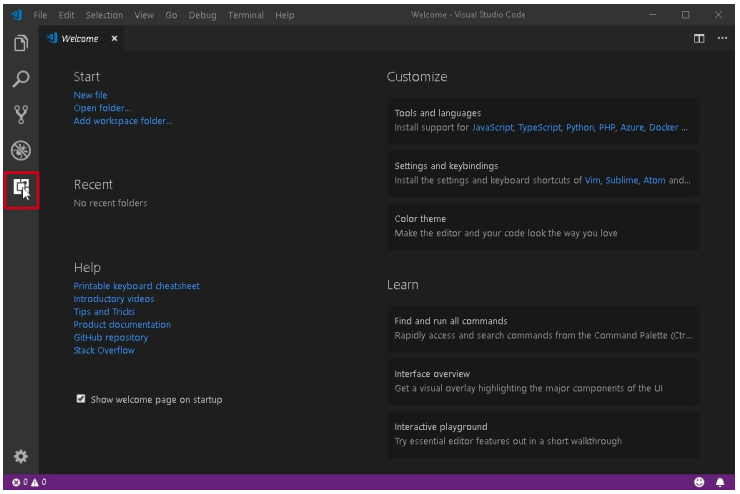
Close Dialog

Select close on the dialog box for usage data (you can review this later).



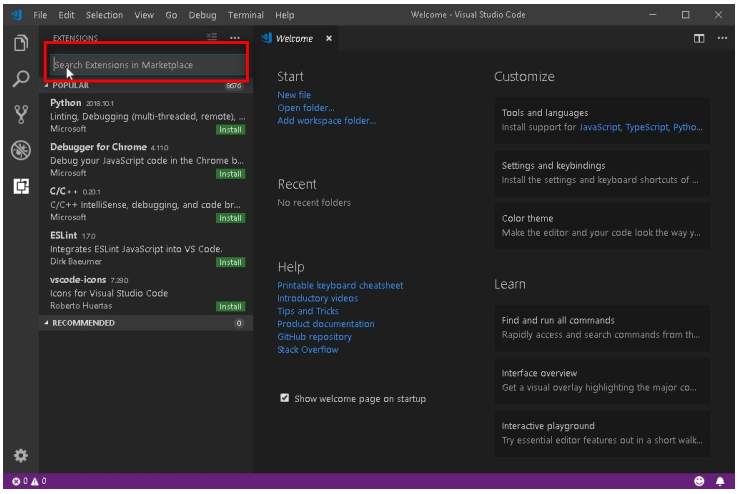
Open Extensions

Click on the icon to open extensions, or select View / Extensions.



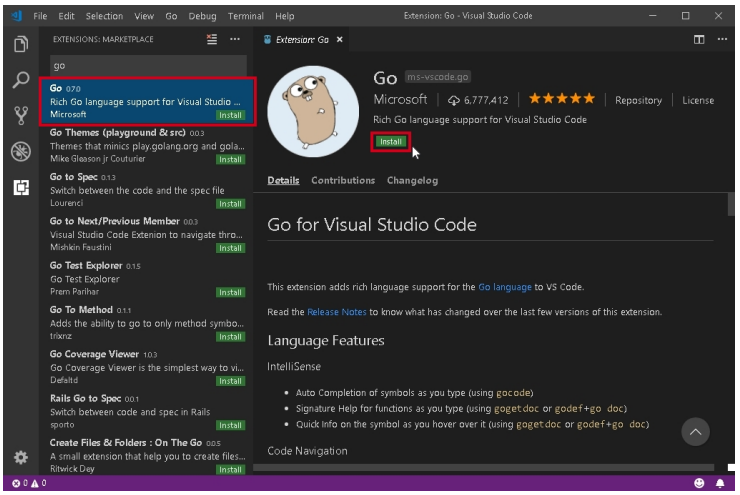
Search for the Go extension

In the dialog box, type in Go

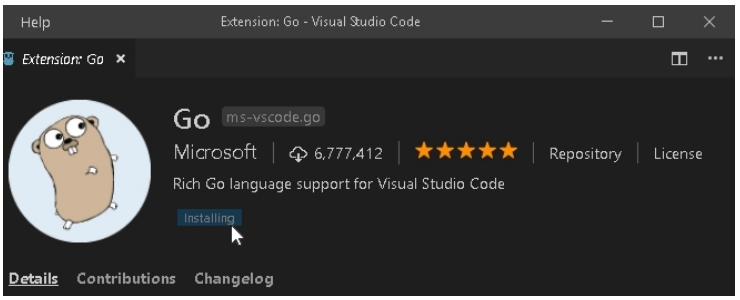


Go for Visual Studio Code

Go for Visual Studio Code, by Microsoft is the extension desired.
It will likely be the first one in the list when searched.
Click install to begin the installation process.

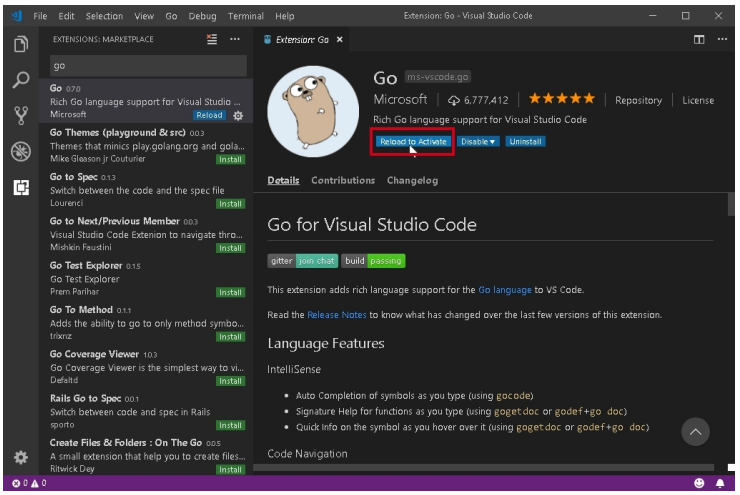


Installation will begin



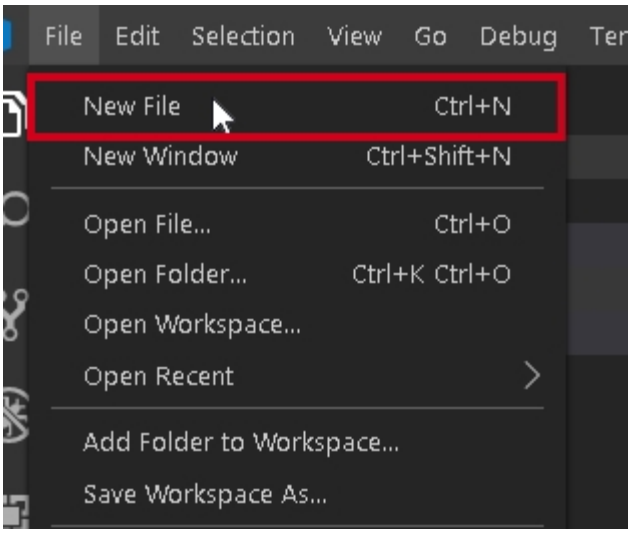
Reload to Activate

Once installation is complete, select "Reload to Activate", the extension in VS Code.



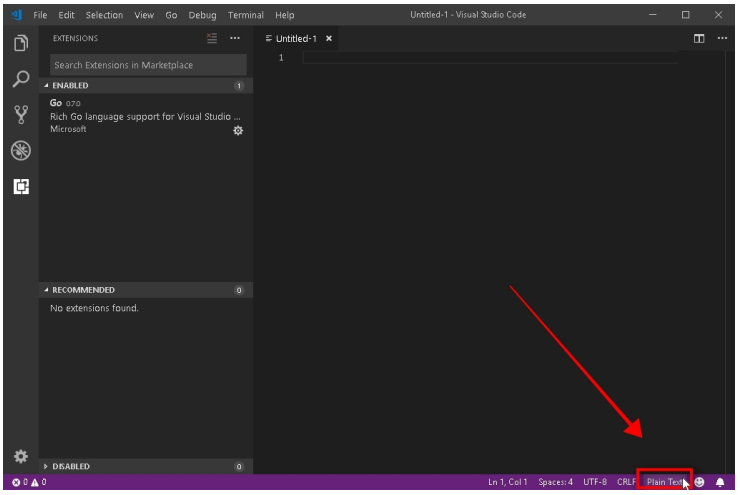
Open a New File

Select File / New File. We'll use this to continue the installation process



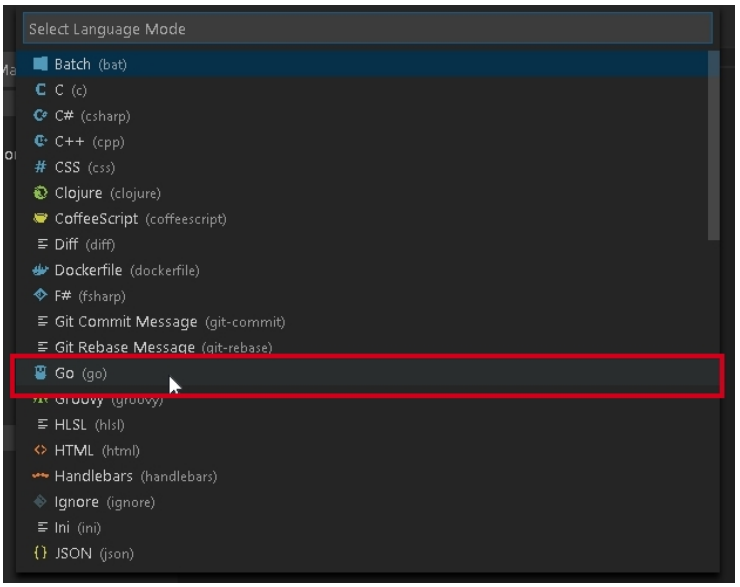
Change "Plain Text"

Select Plain Text in the bottom right hand corner



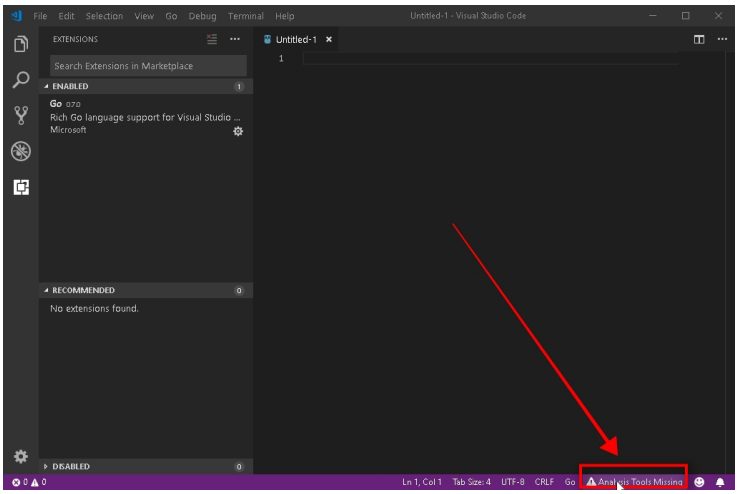
Select Go

Select Go from the dropdown. This will force the type to change to a go source code file in VS Code.



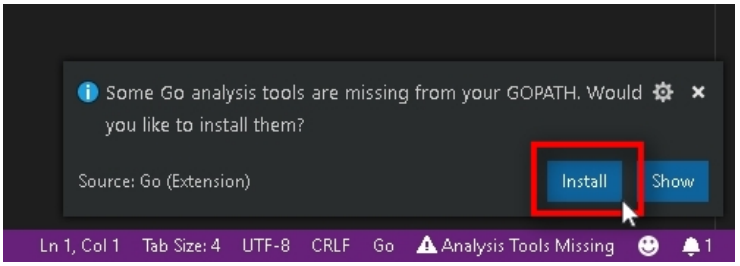
Analysis Tools Missing

Once VS Code realizes the analysis tools for go are missing, it will put a message on the bottom right hand corner.
Click on it.



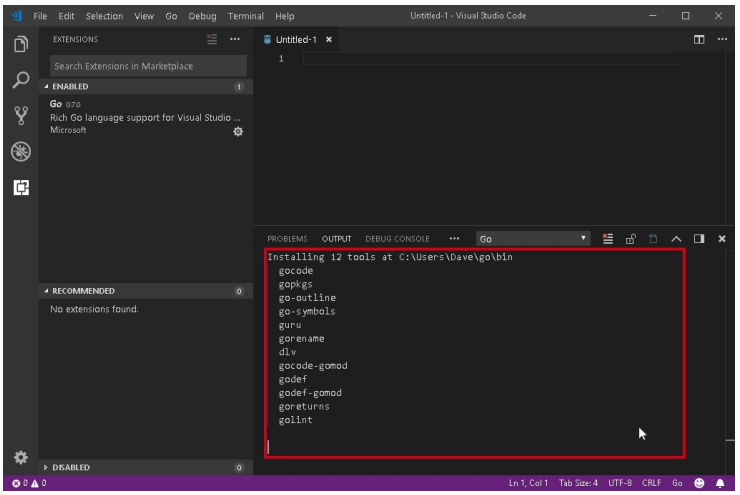
Analysis tools

Select Install to install the analysis tools into VS code for Go



Installation will begin

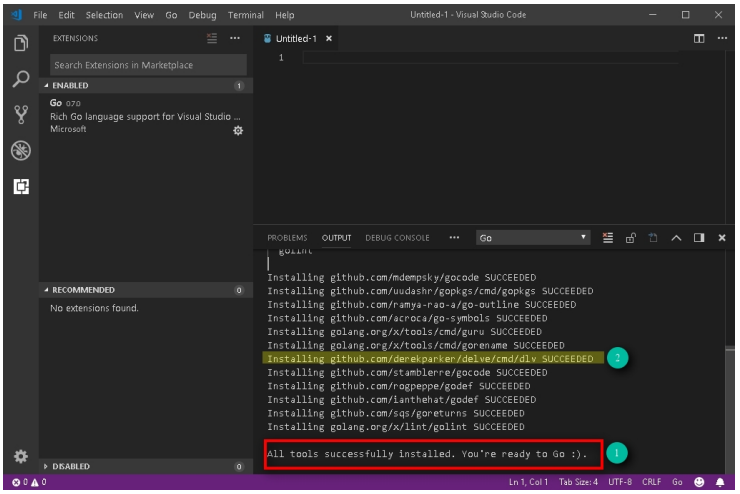
The output console will show you the progress of the installation. A total of 12 tools will be installed, so this will take some time. Don't rush it.



Installation is Complete

1) Installation is complete once you get the message "All tools successfully installed. You're ready to Go :)."

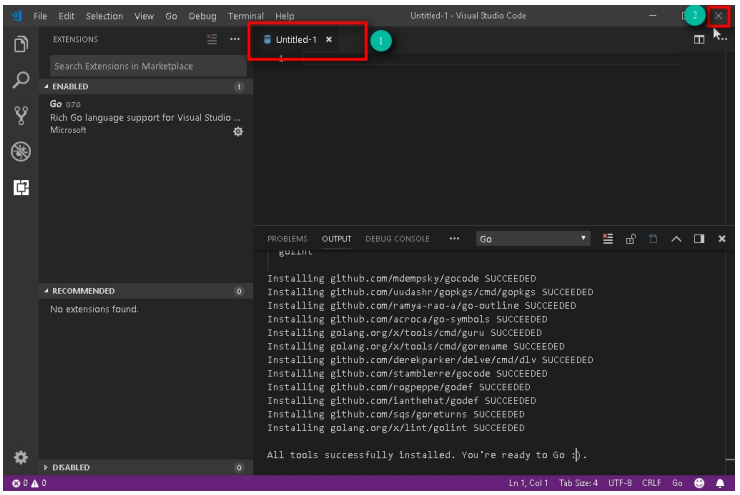
2) Note that this is delve - a debugger for the Go programming language



Close

1) Close Untitled

2) Close VS Code



Start Visual Studio Code

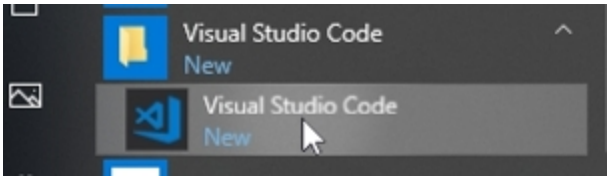
Select

1) Windows Icon

2) Visual Studio Code folder

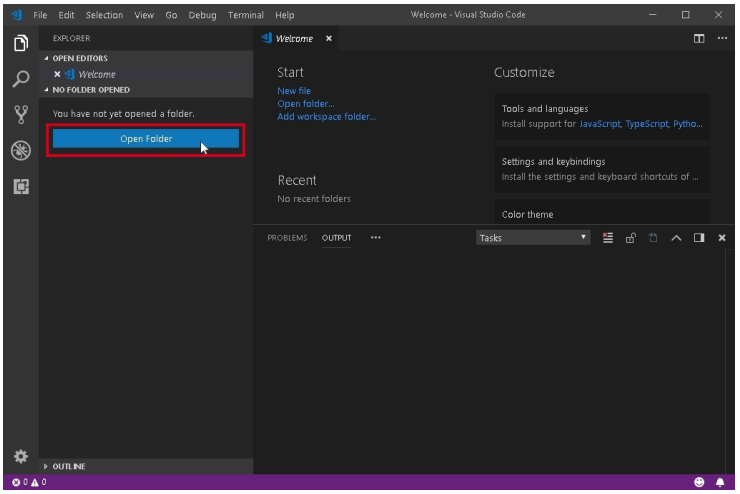
3) Visual Studio Code icon

to launch Visual Studio Code



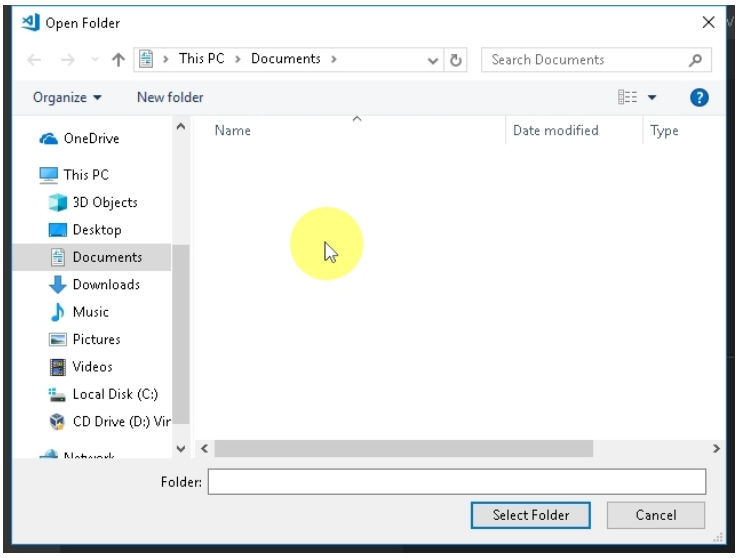
Creating a project folder

Select open folder, to begin creating a project folder where we'll have our Go code experiments.



Create new folder

Right click to open the dialog to create a new folder



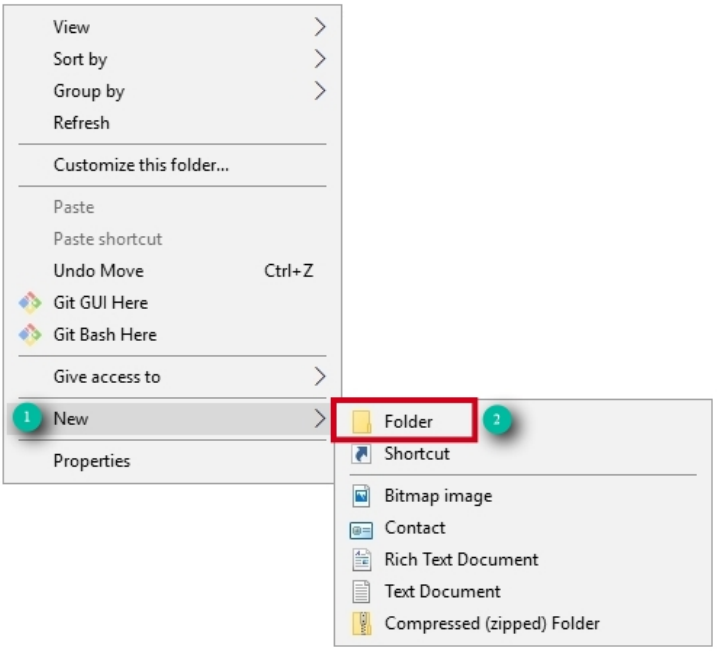
Create new folder

Select

1) New

2) Folder

To create a new folder

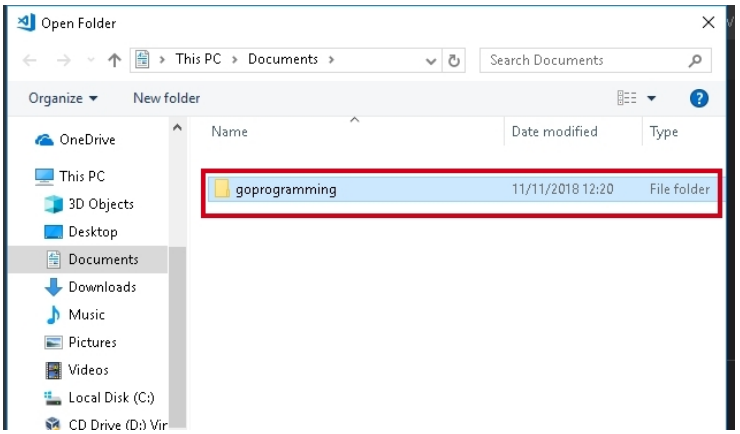


Name the new folder

Enter goprogramming to name the folder.

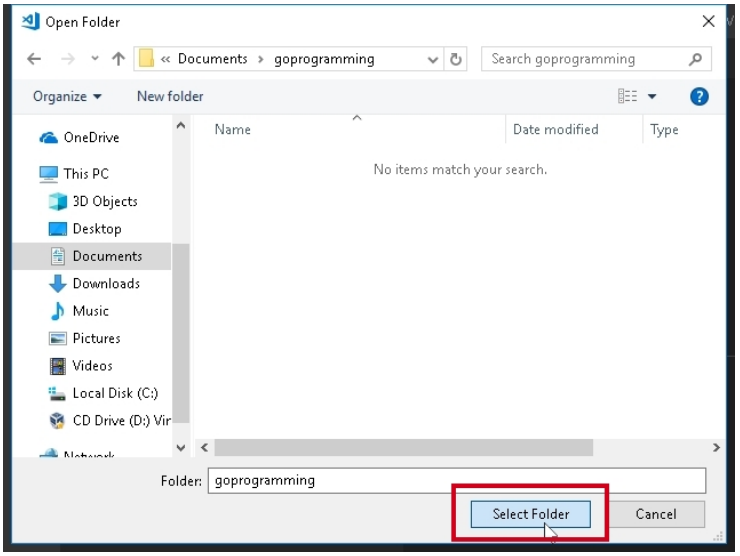
Open goprogramming

Open goprogramming to open the folder. (double click click it)



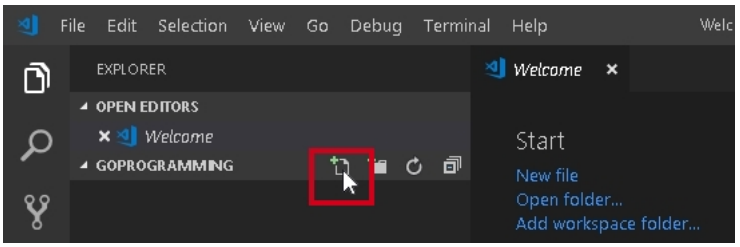
Select folder

Click on "Select folder" to confirm goprogramming as the folder selection.



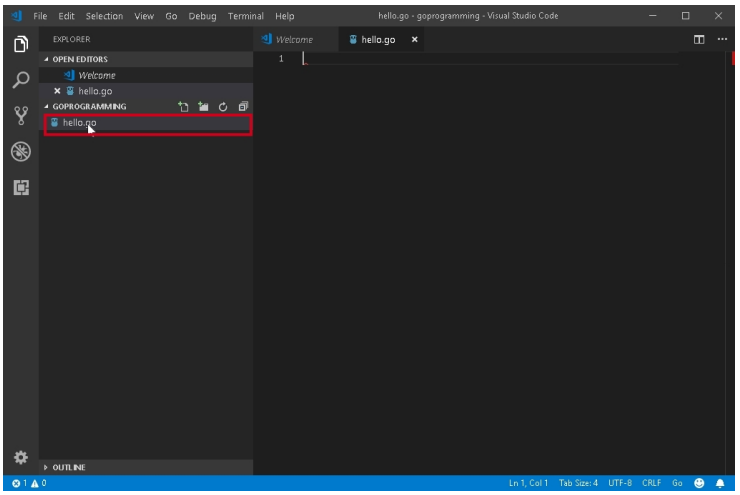
Create a new file

From goprogramming, select the new file icon.



hello.go

Enter hello.go and select it to open the hello.go source code file into the editor.



Enter in the first golang program into the window.

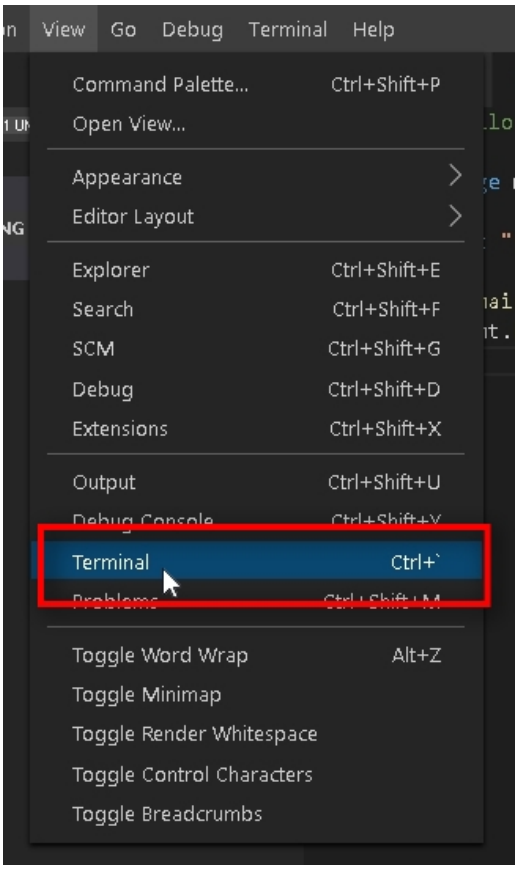
// hello.go
package main

import "fmt"

func main() {
fmt.Println("Hello")
}

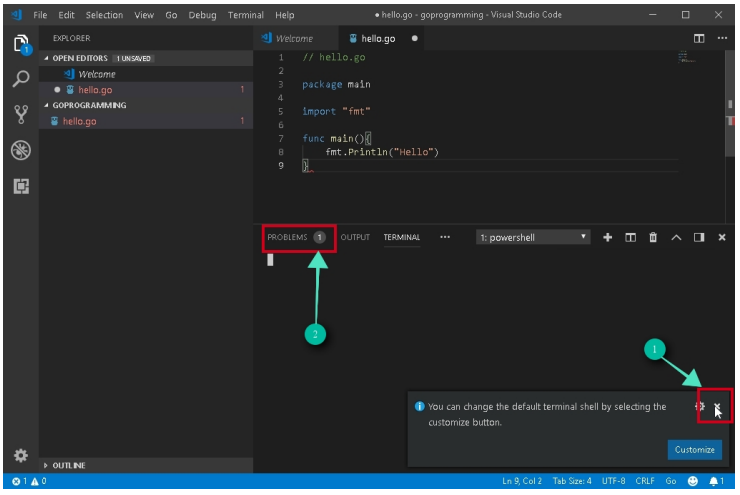
Open the terminal view

Select view/terminal to launch the terminal.

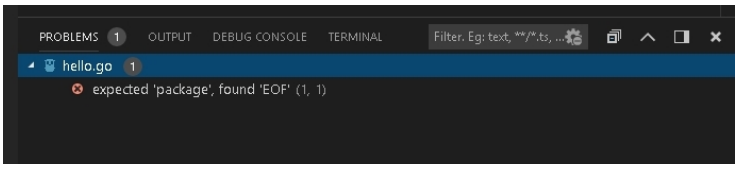


Dialog box and problems

1) Close the dialog box
2) Notice there are problems reported. Select the problems tab to see the problems reported.



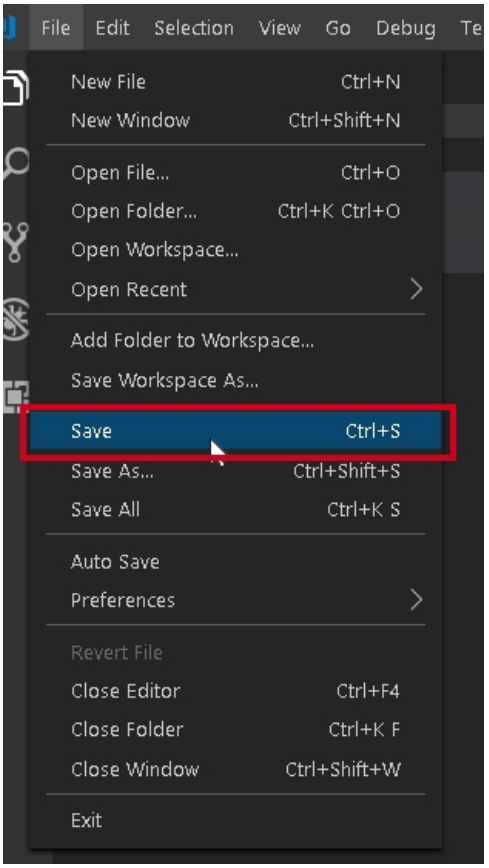
Expected 'package' error



Expected 'package', found 'EOF', is a common error message. It's solved by saving our program.

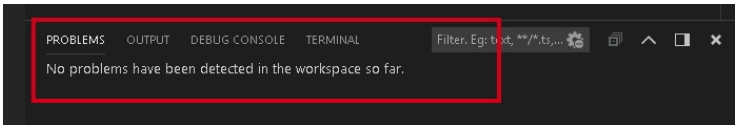
Save the program

Select File/Save to save the program.



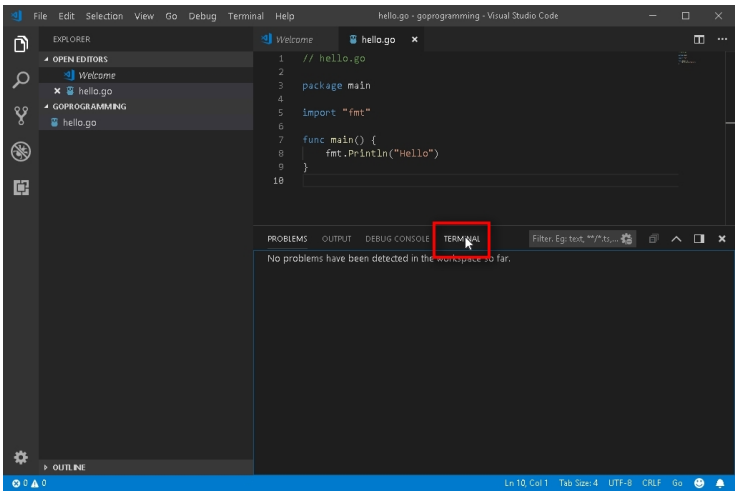
Problem solved

Notice the problem is no longer present once the file is saved.



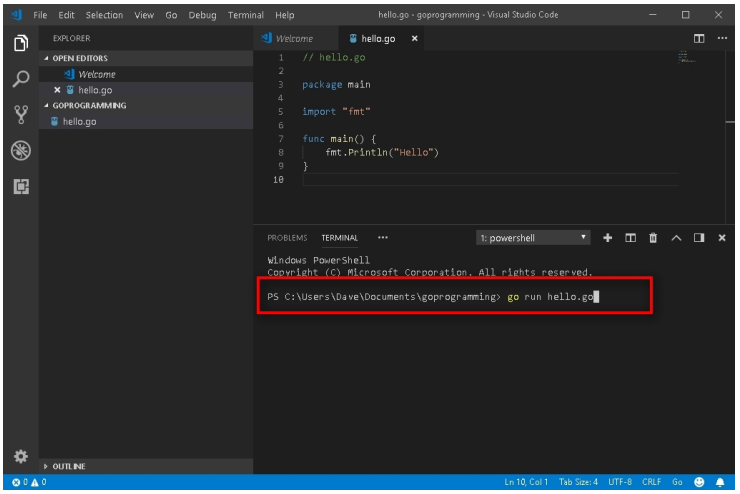
Re-open terminal

Click on the three dots if not visible, and then select terminal.



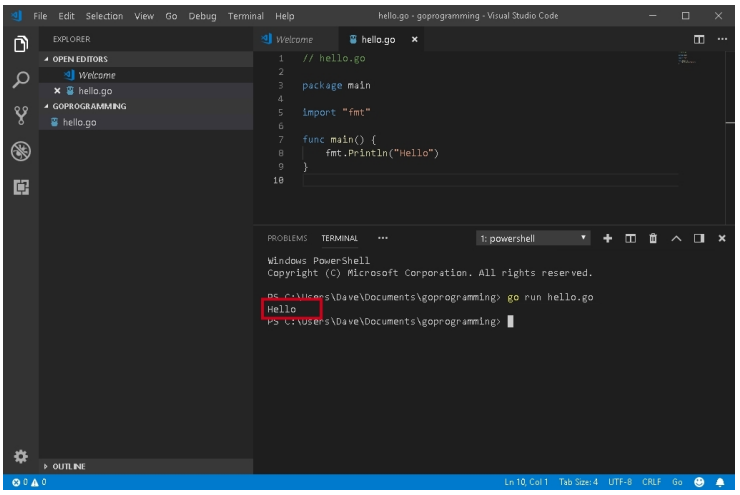
Method 1 of running programs [Command Line]

To run the program successfully, you can start go and simply type in the terminal window:
go run hello.go
and press enter.

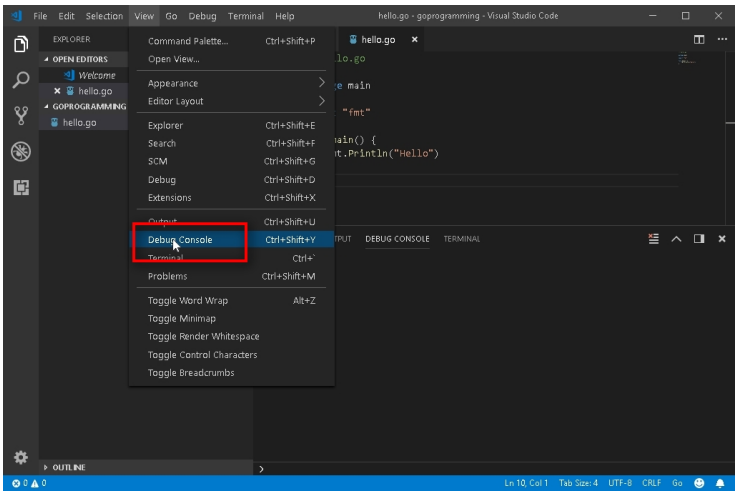


The program runs

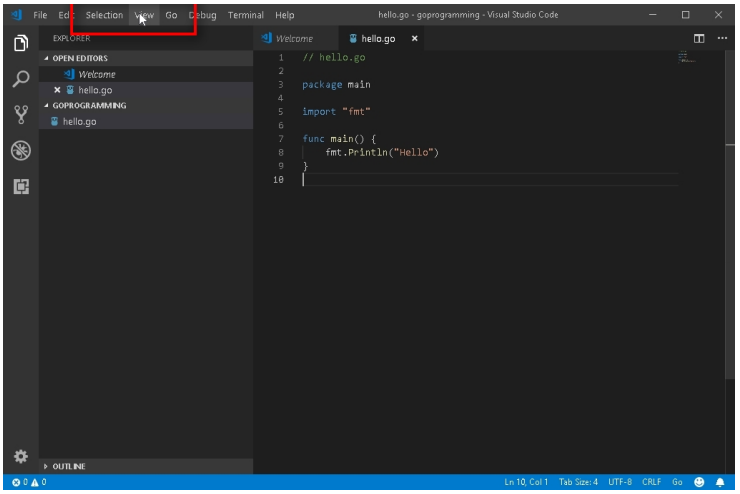
The program successfully runs, and you see Hello appear in there terminal.



Click on "Debug Console I"

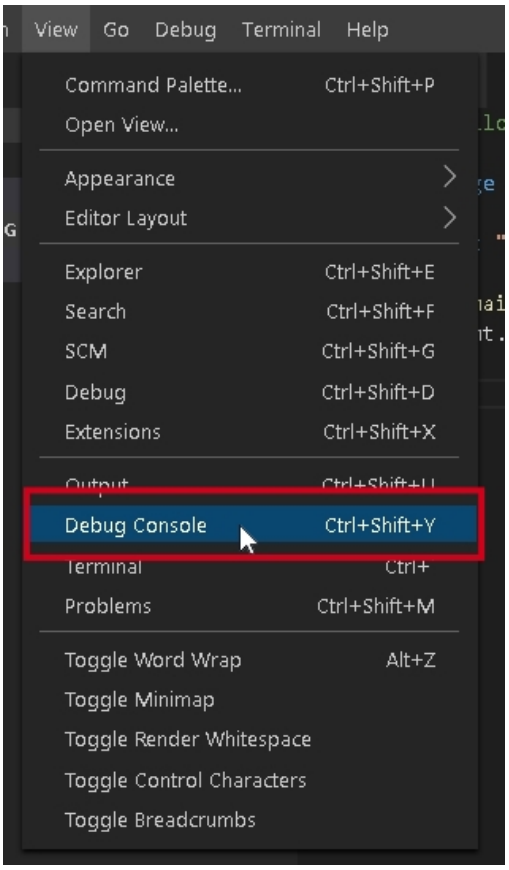


Click on "Selection [View] Go"



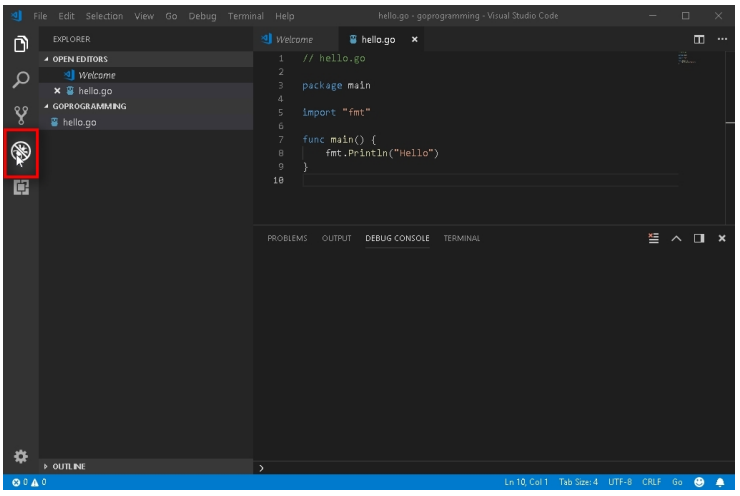
Method 2 of running programs [Debugger]

Open the debug console



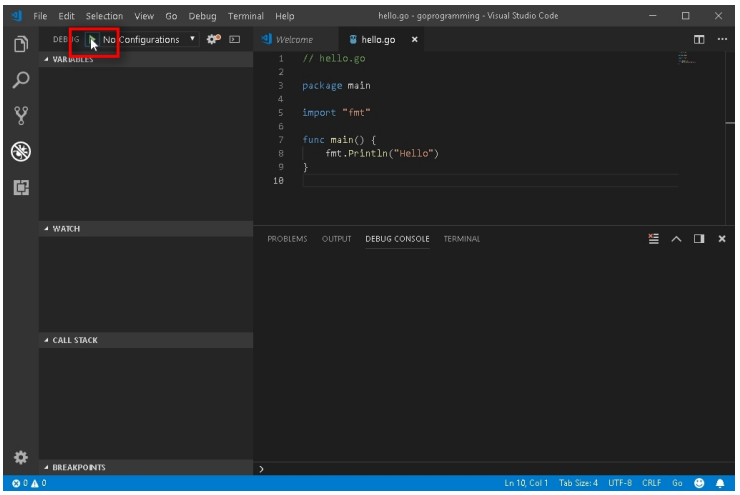
Start the debugger

Start the debugger by selecting the "Debug option" on the left.



Run the program

Run the program by selecting the green icon on the top left.



The program runs

Finally, the debug console will show the output of the program running.