

Installing the compiler Minimalist GNU for Windows (MinGW)

- 1- Download and install the code

[https://github.com/msys2/msys2-installer/releases/download/2022-06-03/msys2-x86\\_64-20220603.exe](https://github.com/msys2/msys2-installer/releases/download/2022-06-03/msys2-x86_64-20220603.exe)

Follow the steps of installation in <https://www.msys2.org/> until step 7

Check if the g++ is correct installed by running the command

```
g++ --version
```

Installing the IDE (integrated development environment) Visual Studio Code C/C++

- 2- Download and install Visual Studio (VS)

<https://code.visualstudio.com/>

- 3- Install the C/C++ extension for VS

Open VS and hit Crlt+shif+X and search for C/C++ extension pack. Install it.

- 4- Let's create the first program to test the installation.

In VS go to Explorer tab, chose a location and create a new file hello\_word.c with the content:

```
#include <stdio.h>

int main()
{
    printf("\n\nHello World!\n\n");
    return 0;
}
```

Hit ctrl+S to save the file. Hit the play button on the right corner and choose **C/C++: g++.exe build and debug active file**

If everything went OK a hello\_word.exe file is created. At the lower part of VS go the Terminal tab and run the generated program with the command:

```
./hello_word.exe
```