



Installing minGW C/C++ compiler on Windows

1. Go to <http://www.minGW.org>
2. Click on "Download Installer"
This should download an executable program called "[mingw-get-setup.exe](#)"
3. Run the program "[mingw-get-setup.exe](#)"
Keep the default installation directory "[C:\MinGW](#)".
4. The [MinGW Installation Manager](#) will be displayed
5. Select [mingw32-base](#) and mark for installation
6. Select [mingw32-gcc-g++](#) and mark for installation
7. Click on [Installation](#) menu option (upper left-hand corner)
8. Click on "[Apply Changes](#)" (This will take few minutes)
9. Close the dialog box and the [mingGW Installation Manager](#)
10. Configure the Path to use [gcc/g++](#) compilers
 - a. Open a terminal window ([click](#)  or  | search for [CMD](#) | select [CMD.EXE](#))
 - b. Type the following (assuming you did not change the installation directory in step 3)

```
setx PATH "%PATH%;C:\MinGW\bin"
```

Replace "[C:\MinGW](#)" with whatever directory you used in step 3

- c. Close the terminal and restart it (step 11)
11. Type "[g++](#)" or "[gcc](#)" and hit enter. You should get the following error:

```
g++: fatal error: no input files
compilation terminated.
```

This indicates that the compiler has been installed correctly but you did not supply a program to compile. **You are done!!!**

Try the new compiler

1. Create a program in an editor of your choice, save it in a directory of your choice
2. Start the terminal window (step 11 above)
3. Change to the directory where the program is stored (using the [cd](#) command)
4. Compile and run the program (assuming the name of your program is [first.cc](#))

```
g++ -Wall first.cc
a.exe //note that the executable is different from the Linux version (a.out)
```

You may want to change the executable name when you compile:

```
g++ -Wall first.cc -o first.exe
first.exe //to run it
```

For C compiler, use [gcc](#) and name your program with [.c](#) extension.
If you encounter any issues please let me know.