

MinGW Setup

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MinGW is a C++ compilation tool for Windows. You may use MinGW to compile the source codes for ordinary C++ projects.

Steps

- Install MinGW
 - <https://sourceforge.net/projects/mingw/files/Installer/mingw-get-setup.exe/download>
- Add MinGW to your PATH
 - Windows Settings -> Edit the system environment variables
 - Advanced -> Environment Variables...
 - For 'User variables for *username*', press 'Edit' on variable 'Path'
 - 'New' -> Put in the path of MinGW\bin, usually in `C:\MinGW\bin`.
- Setup Eclipse
 - File -> New -> C++ Project
 - Change project name/location
 - Toolchains: MinGW GCC
 - Right-click your project
 - Properties
 - C/C++ Build -> Settings -> Tool Settings
 - GCC C++ Compiler -> Miscellaneous
 - Append `-std=c++11` to Other flags
 - Apply and close
- Test
 - Right-click your project -> New -> File -> main.cpp
 - Paste the following code and build

```
1 #include <iostream>
2 int main() {
3     std::cout << "Hello World" << std::endl;
4 }
```

- Run your program and see if it outputs "Hello World".