# Setup Instructions

Hello World & Setup

### 1. Install Python

### Go to:<https://www.python.org/downloads/>

### Download the latest version for Windows.

### Important: Check the box that says “Add Python to PATH” before clicking Install.

### 2. Verify Python Installation

### Open Command Prompt (Win + R, then type cmd) and type:

### python --version

### You should see something like: Python 3.x.x

### 

### 3. Install Visual Studio Code

### Go to:<https://code.visualstudio.com/>

### Download and install VS Code.

### 4. Install Python Extension for VS Code

### Open VS Code.

### Go to Extensions (Ctrl + Shift + X).

### Search for and install "Python" by Microsoft.

### Python

print("Hello, world!")

### 1. Install MinGW (C++ Compiler)

### Go to: https://www.mingw-w64.org/downloads/

### Download the installer (MinGW-w64).

### During installation:

### Architecture: x86\_64

### Threads: posix Exception: seh

### Build revision: Any

### Install to C:\mingw-w64

### 2. Add MinGW to System PATH

### Search "Environment Variables" in the Start menu.

### Under System Variables, find Path, click Edit.

### Add the path to MinGW’s bin folder, e.g.: C:\mingw-w64\bin

### 3. Verify g++ Installation

### Open Command Prompt and type:

### g++ --version

### You should see a version output like: g++ (x86\_64...)

### 4. Install C++ Extension for VS Code

### Open VS Code.

### Go to Extensions.

### Search for "C/C++" by Microsoft and install it.

### C++

#include <iostream>  
  
int main() {  
 std::cout << "Hello, world!";  
 return 0;  
}