

# C Installation

Topics : [C](#)

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To install C on your computer, you need a C compiler. Here are the steps to install the GNU C Compiler (GCC) on Windows, macOS, and Linux:

Windows:

1. Download the GCC installer from the MinGW website:  
<https://sourceforge.net/projects/mingw/files/latest/download>
2. Run the installer and follow the instructions to install GCC and related tools.
3. Once the installation is complete, open a Command Prompt or PowerShell window and type `gcc -v` to verify that GCC is installed correctly.

macOS:

1. Open a Terminal window and type `xcode-select --install` to install the Xcode command-line tools, which include GCC.
2. Once the installation is complete, type `gcc -v` to verify that GCC is installed correctly.

Linux:

1. Open a Terminal window and type `sudo apt-get update` to update the package index.
2. Type `sudo apt-get install build-essential` to install GCC and related tools.
3. Once the installation is complete, type `gcc -v` to verify that GCC is installed correctly.

After installing the GCC compiler, you can write C code using a text editor, such as Visual Studio Code, and save the file with a `.c` extension. To compile and run your C code, open a Terminal or Command Prompt window, navigate to the directory where the file is saved, and type `gcc filename.c -o output` to compile the code and create an executable file. Then type `./output` to run the program.