**Step 1: Download MinGW-w64**

Go to the official MinGW-w64 website.

Download the latest version from Mingw-builds or SourceForge.

Choose the appropriate architecture (32-bit or 64-bit).

**Step 2: Install MinGW-w64**

Run the downloaded installer (mingw-w64-install.exe).

Choose the settings:

Version: Latest available

Architecture: x86\_64 (for 64-bit) or i686 (for 32-bit)

Threads: POSIX (preferred) or Win32

Exception: SEH (for 64-bit) or Dwarf (for 32-bit)

Build Revision: Default

Choose an installation directory (e.g., C:\mingw-w64).

Click Install and wait for it to finish.

**Step 3: Configure Environment Variables**

Open Control Panel → System → Advanced system settings.

Click Environment Variables.

Under System Variables, find Path, select it, and click Edit.

Click New and add the MinGW bin directory path:

C:\mingw-w64\mingw64\bin

Click OK to save.

**Step 4: Verify Installation**

Open Command Prompt (Win + R, type cmd, and press Enter).

Run the command:

g++ --version

If installed correctly, it should show the version of g++.

**For linux :**

**Step 1: Install g++ (If Not Installed)**

Open a terminal and run:

For Ubuntu/Debian-based distros:

sudo apt update

sudo apt install g++