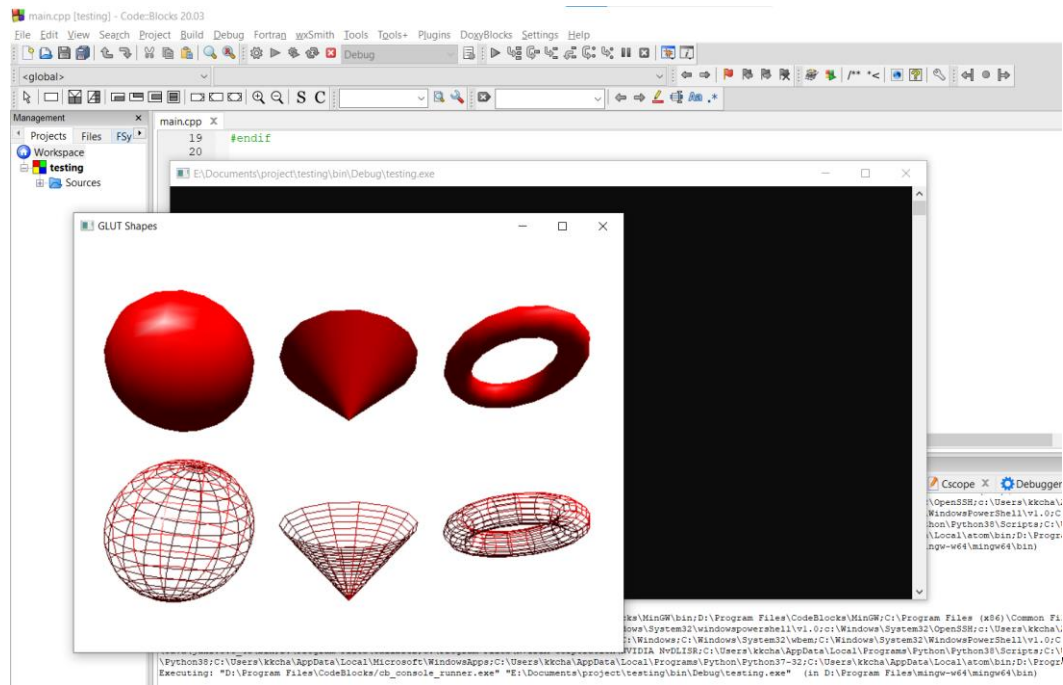


# Installing OpenGL in Windows

## Steps for Windows 10 (x64):

1. Download code block from [Download binary](#) and select codeblocks-20.03mingw-setup.exe from available files.
2. Go to the [link](#) and download zip file that appears on freeglut 3.0.0 MinGW Package with having link name as freeglut 3.0.0 for MinGW and extract it.
3. Then go to freeglut folder (where it was downloaded) and
  - 3.1. Include/GL and copy the GL folder
  - 3.2. Go to the codeblocks installation location C:/Program Files/CodeBlocks/MinGW/include/ and paste the GL folder here.
  - 3.3. Then, from download folder freeglut/lib/x64, copy two files and go to C:/Program Files/CodeBlocks/MinGW/lib and paste it.
  - 3.4. Again go to the downloaded folder freeglut/bin/x64 and copy one file (freeglut.dll) from here and go to C:/Windows/System32 and paste this file.
4. Open notepad with run as administrator and open file from

- 4.1. C:/Program Files/CodeBlocks/share/CodeBlocks/templates,  
(then click to show All Files)
- 4.2. Next, open glut.cbp and search all glut32 and replace with  
freeglut
- 4.3. Then, open from C:/Program  
Files/CodeBlocks/share/CodeBlocks /templates/wizard/glut  
(then click to show All Files)
- 4.4. Open wizard.script and here, also replace all glut32 with  
freeglut
5. Now open Code::Blocks.
  - 5.1. Select File > New > Project > GLUT project > Next.
  - 5.2. Give the project title anything and then choose Next.
  - 5.3. For selecting GLUT's location : C:/Program  
Files/CodeBlocks/ MinGW
  - 5.4. Press OK > Next > Finish.
6. To test the OpenGL run the program.



## Installing OpenGL in Linux

1. Execute the following command for installation

**sudo apt-get install freeglut3-dev**

2. Run the command shown below to see output

**gcc filename.c -lGL -lGLU -lglut**