Install OpenGL on Ubuntu

For installing OpenGL on Ubuntu, just execute the following command (like installing any other thing) in terminal :

```
sudo apt-get install freeglut3-dev
```

For working on Ubuntu operating system:

```
gcc filename.c -lGL -lGLU -lglut
where filename.c is the name of the file
with which this program is saved.
```

Install OpenGL on windows in Code::Blocks

1. Download code block and install it
2. Go to the link and download zip file from the download link that appears after freeglut MinGW package with having link name as Download freeglut 3.0.0 for MinGW and extract it.
3. Open notepad with run as administrator and open file from
   1. This PC > C:(C-drive) > Program Files(x86) > CodeBlocks > share > CodeBlocks > templates, (then click to show All Files)
   2. Next, open glut.cbp and search all **glut32** and replace with **freeglut**.
   3. Then, open from This PC > C:(C-drive) > Program Files(x86) > CodeBlocks > share > CodeBlocks > templates > wizard > glut (then click to show All Files)
   4. Open wizard.script and here, also replace all **glut32** with **freeglut**
4. Then go to **freeglut** folder (where it was downloaded) and
   1. Include > GL and copy all four file from there
   2. Go to This PC > C:(C-drive) > Program Files(x86) > CodeBlocks > MinGW > include > GL and paste it.
   3. Then, from download folder freeglut > lib, copy two files and go to This PC > C:(C-drive) > Program Files(x86) > CodeBlocks > MinGW > lib and paste it.
   4. Again go to downloaded folder freeglut > bin and copy one file (freeglut.dll) from here and go to This PC > C:(C-drive) > Windows > SysWOW64 and paste this file.
5. Now open Code::Blocks.
   1. Select File > New > Project > GLUT project > Next.
   2. Give project title anything and then choose Next.
   3. For selecting GLUT's location : This PC > C:(C-drive) > Program Files(x86) > CodeBlocks > MinGW.
   4. Press OK > Next > Finish.
   5. Now, Code::Blocks is ready to test for OpenGL File.