Assignment 3

1) Code Structure

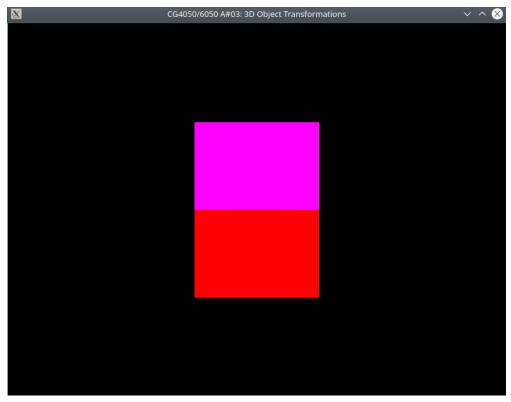
The code is in a file called cg03. Go into that file and that is where the makefile is located. My project also uses glm which is included in the folder already.

2) Inputs

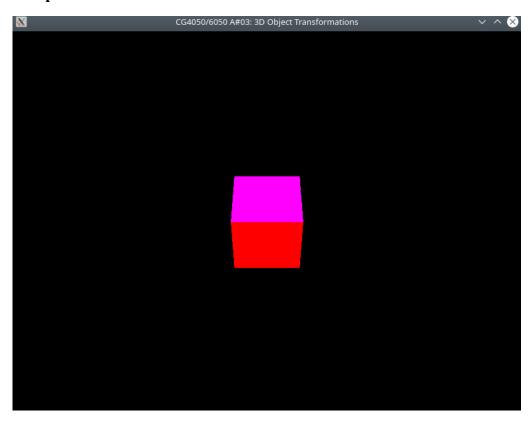
Below is a table of all of the different keyboard inputs all of the letters in the table are lower case.

#	Operation	Detail	Key
1	Reset Display	Remove all transformations	r
2	Translate	Left	left arrow key
3	Translate	Right	right arrow key
4	Translate	Up	up arrow key
5	Translate	Down	down arrow key
6	Translate	Closer to Screen	0
7	Translate	Away from Screen	1
8	Rotate	Around X	q
9	Rotate	Around Y	a
10	Rotate	Around Z	Z
11	Scale	Along X, decrease	W
12	Scale	Along X, increase	е
13	Scale	Along Y, decrease	S
14	Scale	Along Y, increase	d
15	Scale	Along Z, decrease	X
16	Scale	Along Z, increase	С
17	Toggle view	Between orthographic and perspective projections	f
18		Cube	V
19	Switch Object to	Cylinder	g
20	Switch Object to	Sphere	t
21	Translate Camera		k
22	Translate Camera	3	h
23	Translate Camera	•	u
24	Translate Camera		j
25	Translate Camera	Along Z axis, closer to Origin	i
26	Translate Camera	Along Z axis, away from Origin	у

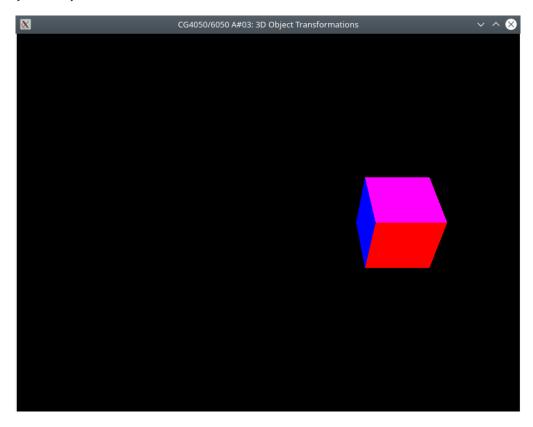
3) Create Window and Draw Cube

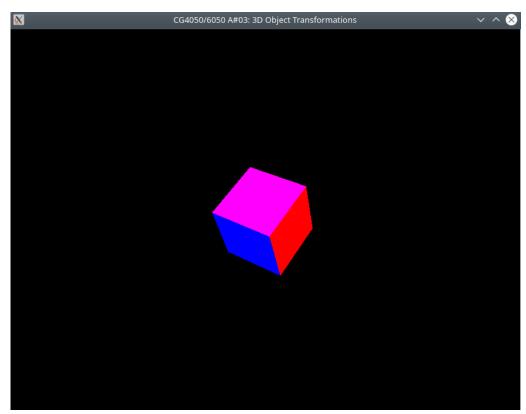


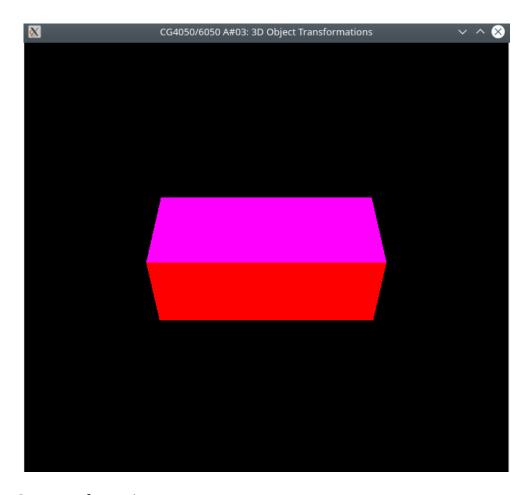
4) Toggle Perspective View



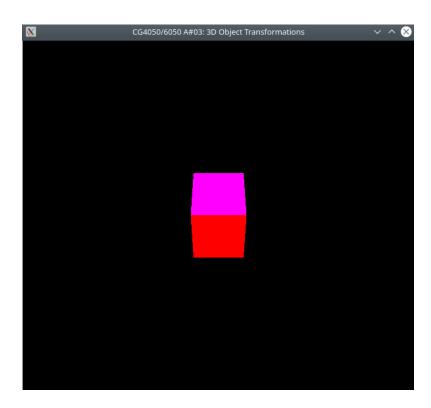
5) Translate, Rotate, and Scale



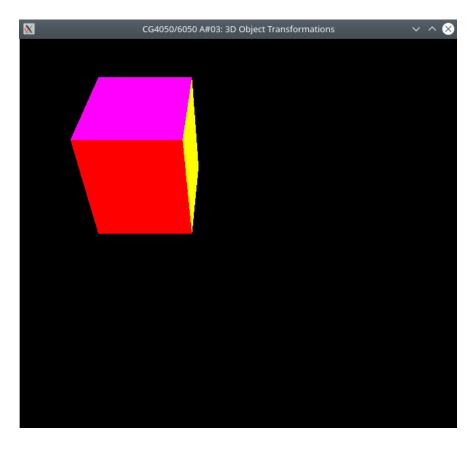




9) Clear Out Transformations



10) Translate Camera



11) Change Shape to Cylinder/Sphere

