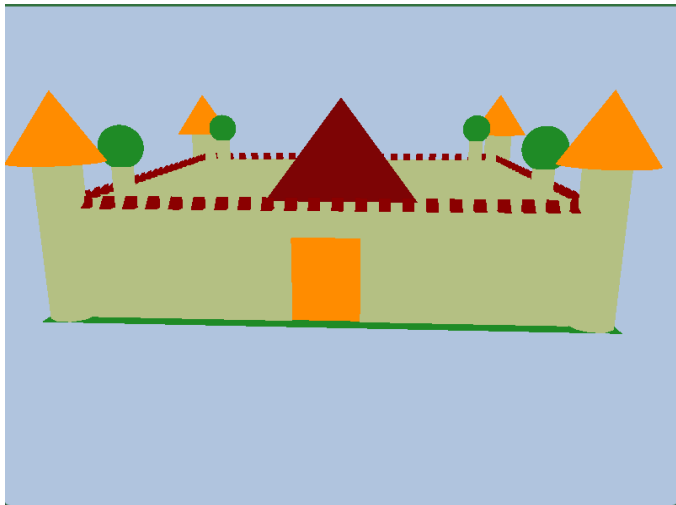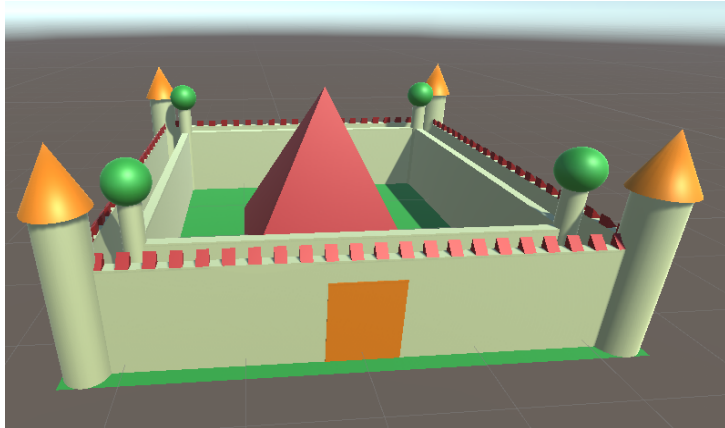# Advanced Graphics Assignment 1 - Karl Zingel

(GeometryGenerator.h) Shapes Added :

Cone (1)
Pyramid(2)
Wedge(3)
Cuboid(4)
Truncated Pyramid(5)
Truncated Cone(6)

SHAPE LEGEND & LOCATION(S)

RED = CUBE/CUBOID
YELLOW = PYRAMID
GREEN = WEDGE
CYAN = CYLINDER
PINK = CONE
DARK BLUE = SPHERE
BLUE = CUBOID(explicit)

Wall Front Left:
Position (-12, 5, -23)
Wall Front Right:
Position (12, 5, -23)
Wall Front Top:
Position (0, 9, -23)
Wall Back :
Position (0, 5, 23)
Wall Left :
Position (-23, 5, 0)
Wall Right :
Position (23, 5, 0)
Inner Wall Front :
Position (0,5,-19)
Inner Wall Back :
Position (0,5,19)
Inner Wall Left :
Position (-19,5,0)
Inner Wall Right :
Position (0,5,-19)
Pyramid :
Position (0, 9.5, 0)

Wedge Front :

Position (-21, 10.5, -23) to (21, 10.5, -23) - Placed every other X increment (i % 2)

Scale (1,1,1)

Wedge Back :

Position (-21, 10.5, 23) to (21,10.5, 23) - Placed every other X increment (i % 2)

Scale (1,1,1)

Wedge Left :

Position (-23, 10.5, -21) to (23,10.5, 21) - Placed every other X increment (i % 2)

Scale (1,1,1)

Wedge Right :

Position (23, 10.5, -21) to (23,10.5, 21) - Placed every other X increment (i % 2)

Scale (1,1,1)

Outer Cylinder Front Left :

Position (-23, 7.5, -23)

Scale(4,15,4)

Outer Cylinder Front Right :

Position (23, 7.5, -23)

Scale(4,15,4)

Outer Cylinder Back Left :

Position (-23, 7.5, 23)

Scale(4,15,4)

Outer Cylinder Back Right :

Position (23, 7.5, 23)

Scale(4,15,4)

Inner Cylinder Front Left :

Position (-19, 7.5, 19)

Scale(2,15,2)

Inner Cylinder Front Right :

Position (19, 7.5, -19)

Scale(2,15,2)

Inner Cylinder Back Left :

Position (-19, 7.5, 19)

Scale(2,15,2)

Inner Cylinder Back Right:

Position (19, 7.5, 19)

Scale(2,15,2)

Outer Cone Front Left

Position (-23, 17, 23)

Outer Cone Front Right

Position (23, 17, -23)

Outer Cone Back Left

Position (-23, 17, -23)

Outer Cone Back Right

Position (23, 17, 23)

Inner Sphere Front Left

Position (-19, 15, -19)

Inner Sphere Front Right

Position (19, 15, -19)

Inner Sphere Back Left

Position (-19, 15, 19)

Inner Sphere Back Right

Position (19, 15, 19)

Front Gate

Position (0,3.5,-23)