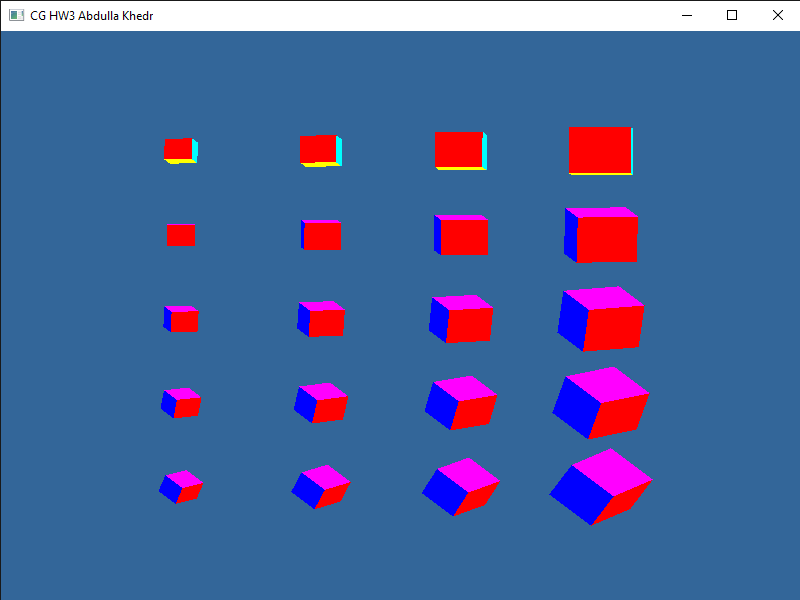
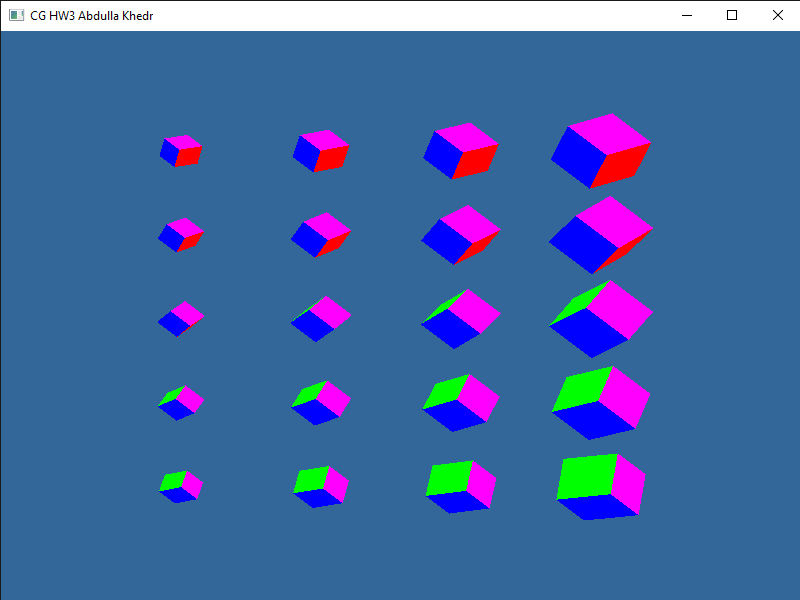
# Question 1







# Question 2

Firstly Scale by 0.5:

Then translate by -1.5:

**Final Matrix translation matrix:**

# Question 3

Rotation matrix is

Now COP is at

Translation matrix is

Now COP is at origin, and

Apply the perspective projection

Translate back to

Rotate about the y-axis to move the COP from back to its original location