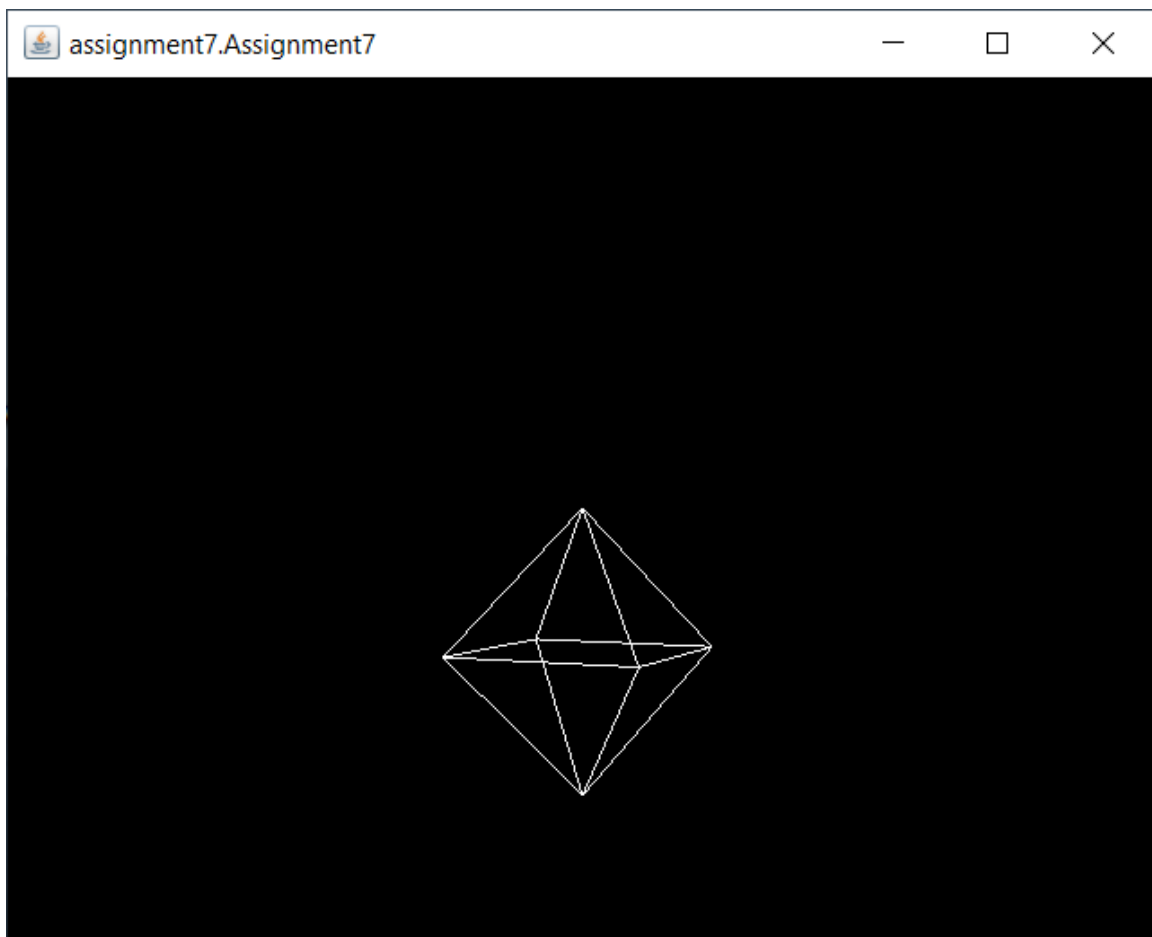# CSCI 5437 Assignment 7 (Programming Project)

Due: 3/31/2023

(Exercise 6.1, 6.2) Write a Java 3D program to define an octahedron. The octahedron is one of the five Platonic solids. It has eight faces of triangles and six vertices:

(0,0,1)
(-1,0,0), (0,-1,0), (1,0,0), (0,1,0)
(0,0,-1)

Define the *Octahedron* class by extending the *IndexedTriangleArray*. A test program *Assignment7.java* is provided to display the octahedron.

Name the package *assignment7*. Submit the source file *Octahedron.java* to the dropbox in *folio.*