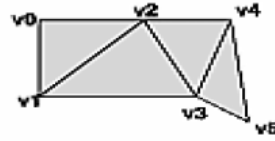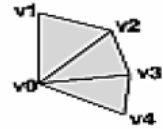**Assignment 5**

1   Write a program to draw the following shapes:
    1. Triangles (triples of vertices interpreted as triangles)
    2. Triangle Strip (linked strip of triangles)
    3. Triangle Fan (linked fan of triangles)
    4. Quads (quadruples of vertices interpreted as four sided polygons)
    5. Quad Strip (linked strip of quadrilaterals)
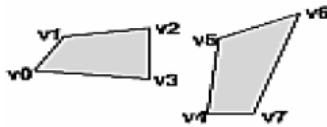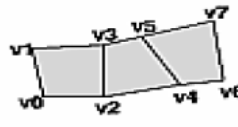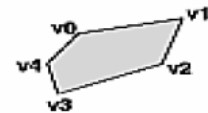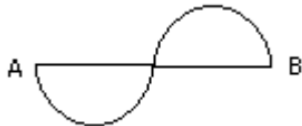   6. Polygon (boundary of a simple, convex polygon)

2   Write a menu driven program for following algorithms:

    a) Mid Point Circle generating algorithm
    b) Mid Point Ellipse generating algorithm

3   Write a program to generate the following figure :-

Point A and B is input.

(Use the concept of Mid Point Circle generating algorithm and DDA Line Drawing Algorithm)