Assignment -C2

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Problem Statement - Write a C++/Java progre	am
to stimulate stack using open GL	

Objectives - To implement open GL functions to generate 2D and 3D figures. To implement animation of 2D objects in open GL.

Outcomes - O To understand and implement open GL functions.

@ To understand animation in OpenGL

5/w and H/w requirements - Core is processor, open 4
Fedora os

Theory-

Open GI (open graphics library) is standard specification defining a cross language cross platform APT for writing application that produce 2D and 3D computer graphics It is a low level procedural API, requiring the programmer to dectak the exact steps

void display() ? gldea1 (GL-COLOR_BUFFER_BIT);

gleger (GL-QUADS)
gloolor 3f (1.0,0.0,0.0);
gloeltex 2f (2,y);
gluertex 2f (-2,y);
gluertex 2f (-2,y+2);
gluertex 2f (2,y+2);

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```
if (flag >1) {
   glcolor 3f(0.0,1.0,0.0);
   glvertex 2f (2, y2);
   alvertex 2f (-2, y2);
   glvertex 2f (-2, y2+2);
   gluertex 2f (2, y2+2);
if (flag > 2 & flag < 5) {
    glcolor 3f (0.0, 0.0, 1.0);
    glvertex 2f(2,y3);
     glvertex 2f (-2, y3+2);
     glvertex 2f (2, y3+2);
if (flag >4) {
    glcolor 3+ (1.0,1.0,0.0);
    glveitex 2f (2, y4);
    glvertex 2f (-2, y4);
     g luertex 2f (-2, y4+2);
     glvertex 2f (2, y4+2);
alend(); glutswapsuffers();
```

