Expt No. C2

Assignment No. 12

Classmate
Date ;
Page:

Tille - Simulation & animation.

prublem statement =

Write (14 program to stimulate any of the similar scene.

· simulate any data structure like stack wing computer graphics.

Objective:

i) To implent Open (oL functions generate 2D & 3D

figures
ii) To implement animation of 2D objects the

openal.

Out comes +

- i) to understand the opengl functions.
 ii) to understand onimation in opengl.

Opengl is standard specification defining a cross language, cross platform APJ for writing applica

that produce 20 & 3D computer graphics. It is also level. Mocedural API requiring programmer to detail exact steps.

```
Operal
 void display()
     gicleaf (GL. COLOR-BUFFER-BIT);
      91 Begin (GL. QUADS); .
91(01013f (1.0, 0.0,0.0))
       91 vertex 2 F (2,4);
        glverlex 2f (-2,4);
         gherlex 2f (-2, y+2);
          glyertexif (2, 4+2)
      if (flag >1
          glcolor3f (0.0, 1.0, 0.0);
            g((alor 2 f (2, 42);
             glyest ex 2 F (-2, 42);
             glundex 2 F (= 1,4,42);
             glvertex 2f (2, 92+2);
```

```
if (flag >2 (f flag < 5)
                               gl(01073 F ( 0.0, 0.0, 0.0);
glvertex 2 F (2, 43);
glvertex 2 F (-2, 43+2);
glvertex 2 F (2, 43+2);
                if (flag >4)
                        gl(olor 3 f (1.0, 1.0, 0.0);

glvertex 2 f (2,42);

glvertex 2 f (-2, 4,1);

glvertex 2 f (-2, 4,12);

glvertex 2 f (2, 4,12);
           gIEND(); glut Swap Buffeel);
Test-cases:
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```

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		Conclusion: Thus stack	simulation	implemented through	9h_
Andrew W. A.		openal.		*** *** ***	
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