Date	
0.49.5	

	Date
Expt. N	Page No
	program 6
	Write a program to weat a house like figure and puryour
	the following mousation.
	Opolare it about a given fixed point wing openhi transformati
	functions.
	(i) explut ut about an axis y=mx+c using openhic
	transformation functions.
	#Include (911glut.h)
	# Include < math-h'
_	# Include < stalib. h>
_	#include < stdio.h>
	float howelliss[2]= {{100,2004, {2004500}, {300,200}, {100,200},
	100,1009,1175,1004,1135,1504, 225,1503,
	(225,1003, 1300,1003, 1300, 20033;
	for the state of t
	Int angle;
	float mic, theta;
- 6	void display ()
	g(cleascolor(1,1,1,0);
	glCleax (GL-COLOR-BUFFER-BIT GL-DEPTH-BUFFER-BIT);
	glmarnamode (GL-PROJECTION);
	gliood Identify ();
	glucratiody (-450, 450, 450)?
	glmamx trode (GL. MIODEL VIEW);
	Control of the state of the sta

Teacher's Signature

91 Loodsding();

```
glcolorge (1,0,0);
glBergin (GL-LINE_LOOP);
for ( 10t i=011211)i++)
         glverzyk (house(13);
 9 (End ();
 girluh ())
 g ( Push Marrisk ();
 91 rars laty (100,100,0);
 9 ( Ro tatef ( argle, 0, 0, 1);
  91 Translarg (400, -100,0);
  91(010r3f (1,1,0);
  9 Begin ( GL-LENF-2000);
  for (int 1:0; 1<11; 1++)
          glvetta gru (house(17);
  918nd();
   glpopmama();
   91 Flushers
void displaya()
4
       91Clear Color (1,1,1,0);
       glClear (GL-COLOR-BUFFER_BIT | GL-DEPTH - BUFFER-BET)
       g Irauma mode (GL-PROJECTEON);
       gl2 oad Edantify 122
                           archeological transportation
       gluortho20(-400, 400, -459, 400);
       glmammmode (GI-MODEL-UIEW);
        gl Load Edentify ();
        91 color 36 (1,0,0)
        glaggin ( GL-LEINE-LOOP);
```

Date	

Expt. No.	Page No.
for (int 1=0; 1 < 113 (++)	
glvertscape (house(1)):
91 End ();	AT ATTE TARE TO MENT TO THE STORY
alflushi);	the state of the s
7	1835 023 015 THE W. DUIS
fluat x1=0, x2=500;	
float YIZM*XII+()	and the second profit was a special
Float 42 = mot 22 + C3	alida abiliani, ma
1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
glagin (GL-LINES);	Constitute that captility
g (vutzax (x1, y1));	A PROPERTY OF THE
glverezge (x2,42);	The second secon
glflush();	was mus maily will
T T	in a surphicips
glpwhmarrix ();	ė.
gliranslaty (0, (, 0);	
thera = aton(m);	
theta = theta * 180 / 3.14;	The to speed the state of the state of the
9120ratef (Hua,0,0,1);	
91 scalex (1,-1,1);	CONTRACTOR
9 (Rosatef (- thua, 0,0,1);	make the transfer of the same
91 Translate (0, -1,0);	· S. J. Date of J. Ber Box
glagin (GL-LENE_LOOP);	my that I want to
for (Int 1=0; i < 11; i++)	ox 1 + Hr
gluutorafu (hou	ue[i]);
9160d1);	- Statistary of the O
91 popmarix ();	Stander Vita
glflush();	
4	Teacher's Signature

```
poid mythiti)
      91 (leas Color (1.0,1.0,1.0,1.0);
      9 (01074 (1.0, 0.0,0.0);
      gllinewidth (2.0);
       gl mamx mode ( & L- 12 ROJECTION);
       glload Edintify ();
       qluortho20 (-460, 450, -450, 450);
   3
  void mouse (Int btn, int state, int x, int y)
     J
        if (btn2 = GLUT_LEFT_BUTTON of State = hLUT_DOWN) (
                     display ();
         else of (btn2= GLUT_REGHT_BUTTON & STOREZ GLUT_DOWN){
                      displaya ()?
             3
      void main (int arg (, char ** arg v)
                print (" Enter the rotation angle In");
                scarp_s (" 1-d", 4 angle);
                boinking and a name for ling = mx+closs;
                scang_s ( u / of ref; + c, +m);
                g luttrit ( farg c, argu);
               glut Bit Duplay Moche (GLUT - SINGLE |GLUT - RGB);
                glut Int Windows 13c (900, 900);
               glus window position (100,100);
               gluttrease windows a House potatos?);
                my bull)s
                9 lut 11 an Loop 123
```

