n .	
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No	DPage No
	and with
	in ell any alver pougon wing swifting
	filing algorithm.
	Tilling augustions
	Attnchide Stalleb. his was well and the
	#Include 29191ut.h>
	Hinclude (stdio.h)
	#include Largorithm?
- "	Hindude < iosmeans
	# indude (windows.h)
_	41 110000
	custry namespace stations the thought the state
	float x(100], y(100];
	int nim;
	int wx=500, wy=500;
	static float intr[10]=40%;
_	void draw_line (float x1, ploat 41, float x2, ploat 42)
	sly>(100);
	g(color3f(1,0,0);
	glagin (GL-LINES);
	giverse (x1, y1);
	glvarage (x2, y2);
_	glæd();
_	9/Flush();
_	· · · · · · · · · · · · · · · · · · ·

```
Edge Detect (float XI, float YI, float X2, float Y2, 9 nt scanline)
void
            float temps
             if (42 <41)
                      temp = x1; x1=x2; x2 = temp;
                      tonp= 41,41=42,42=temp;
                                                       eb Unit
                   y
                 if Iscantine > 41 44 scantine < 42)
                           intx[m++] = x1+ (scantine -41)*(x2-x1)/(42-41);
         3
                scarpill (float xCJ, float yCJ)
                   for (Int $1 =0; $1 (= wy 18++)
                                  Emil mir Ling + 4081
                                 m20;
                     for ( Pat 1 = 0; 1 < n; 1+4) which
                                   Edge Durel-(xci), y[i], x[(i+1)1.0],
                                  y[(1+1)1,07, sh;
                                Sout (Intx , (Intx+tw));
                                if (m>=2)
                                     for (int 120; icm; 1= 1+2)
                                             draw-line ( Tork [1], si, totk (1+1),
```

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Expt. No)	Page No
	void	display-filled_polygon()
	4	The state of the s
		glclan (GL-COLOR-BUFFER_BIT);
		giliniwith (2);
		glagan (GL-LINE-LOOP);
		for (1nt- 8=0; 1<0; itt)
		g (vertous (x[i], y[i]);
	46 ¹	gladis;
	:1°	scapill (x, y);
	3	V
		Talas
-	void m	y nut ()
-	<u> </u>	91 Clear Color (1,1,1,1)?
		g(color3x (0,0,1))
-	20 Ed	91 posars132 (1);
-	10 m	9 (v Orthoan (0, w x, 0, w y);
1 2. A	4	g to b 14.10ab copie 104 to jos
	void	mais (Int al, that * av())
		man (ma ac, and access
+	٢	gluthit (4ac, ou);
		bunk (" erra up of sign; juis);
2	12 P. 10 10	scay-s ("%d",4n);
		print (" extra coordinates of Endpoints: 10");
		for (int 9=0; i(n; i+f)
		d
		pring (x - coord y - coord: 10m);
		searf-s(u.1.f.o/of", 4x[i],4y[i]);
		· · · · · · · · · · · · · · · · · · ·
N X	v, 5=	
1		Teacher's Signature

```
gluthit Display Mode (GLUT_SINGLE | GLUT_RGB);
glut Windows 12 ( 500, 500);
glutwindow Position (0,0);
glut (reate Window ("scantine");
glut Duplay Forc (desplay-filled - polygon);
my Trut();
g lut Main Loop ();
                                      C-coord Y-coord:
       coord Y-coord
       coord Y-coord
       coord y coord:
```