Name :- Streetal Wegi Course: - BCA Seri- 6 Serbion: - B Rollno: - 1/2/13/ (50) Subject !- Comparter Graphies

Bresenhan's Ciode Doawing Program #include < graphics . h> # include Stalib h > #Include Soldio h) #include (Comio H) Handerde (math. h) void Eight Way Symmetric Plot (int Xc, int yc, putpixel (x + ne, y + yc, RED); putpixel (n+nc, -y+yc, YELOW); putpixel (-n+nc, -y+yc, GREEN); propored (-n+nc, y+yc, Ythow); protpired (y+nc, n+yc, 12); pudpixed (y+20c, -n+yc, +4); pusposed (-y+nc, -n+yc, 15). pudpitel (-ytuc, ntyc, 6); Void Bresonhmanfiocle (intuc, intyc, int) Eignsway Symmetric Plot (nc, yc, x, y); While (nc=y) if(d<=0)

d=d+(y*n)+6; d=d+(4xn)-(4xy)+10; Egnoway Symmetric Plot (nc, yc, m, y); int mais(void) int xc, y C, & goo ver = DETECT, g mote, erend Code = graph de suld(); if (everoscode!=gook) print ("Graphics error: 25);

grapherrorms g (error wde);

print t ("Green any key to ha (+");

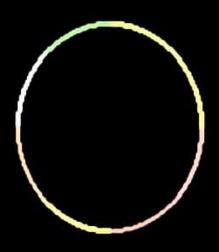
geten (); for Af (" forten value of xc and yc"); Scart (" % od % od", & nc, & yc);

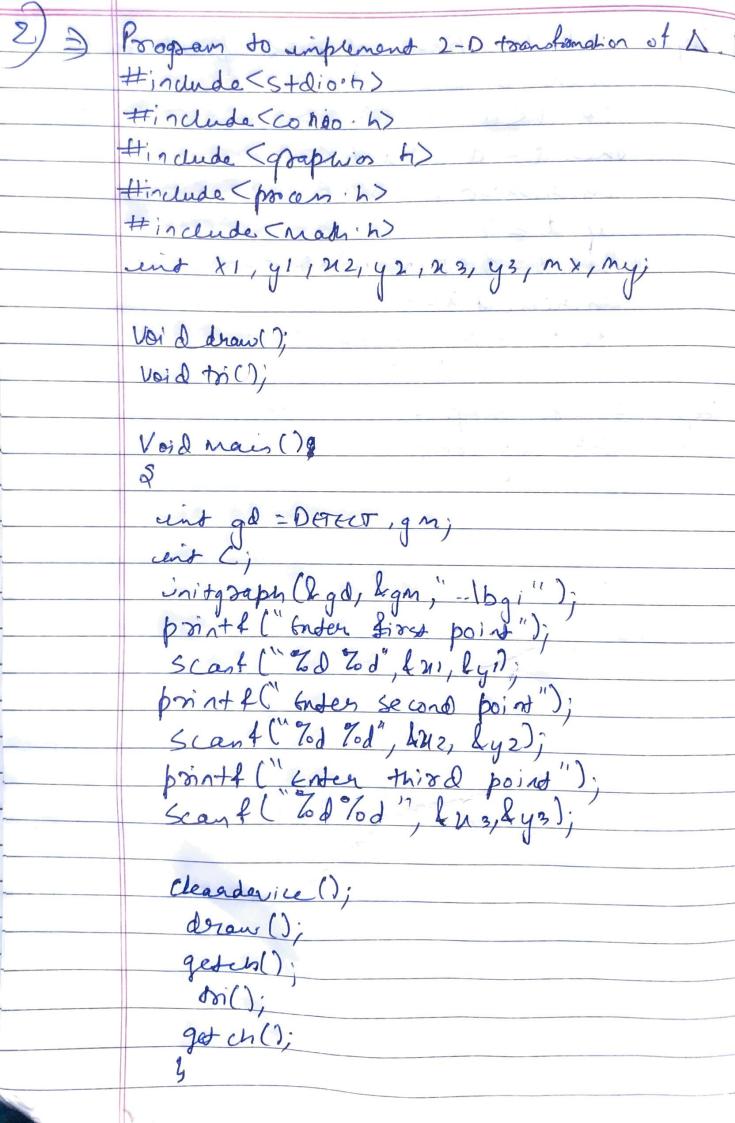
	printf ("Enter value of sadius"); Scant ("Zd", fo);
	Scant ("70", fo);
	Boesenham Gode (xc, ye, o);
Į.	Corner or or other land
	getch ();
	Closegraph (1;
	dedum 0;
	and and a single in a single

Bresenham's Circle Algorithm! Step 1 Start algorithm Step 2 Declare p, 9,1 x, y, or, d variables p, 9 are coordinates of center of circle. or is radius Step 3 Ender value of 8 Calculate d=3-28 Step 5 Initialize x =0 & nbsy = 8 Step 6 Cherk if whole circle is scan Converted, if x > = yStep 7 Plot eight points by using Concepts
of eight-way Symmetry. The Center
is at (p, q). Current achine pixel is
(x, y). pudþixel (x+p, y+g) putpixel(y+p, x+q) propried (-y+p, x+q) pubpixel(-x+p, y+g) pudpixel(-x+p, -y+q) put pitel (-y+p, -x+q) putpixel(y+b, -x+q) putpitel (x+p, y-2)

Find location of next pixel to be Scanned If d20 then d = d + 4x + 6 encerement X = X + 1 if d ≥ 0 then d = d + y (x-y)+10 in terement X=X+1 de Chement y=y-1 Step 9 Go to Step 6 step 10 Stop algorithm

Enter the values of xc and yc :100 100 Enter the value of radius :50

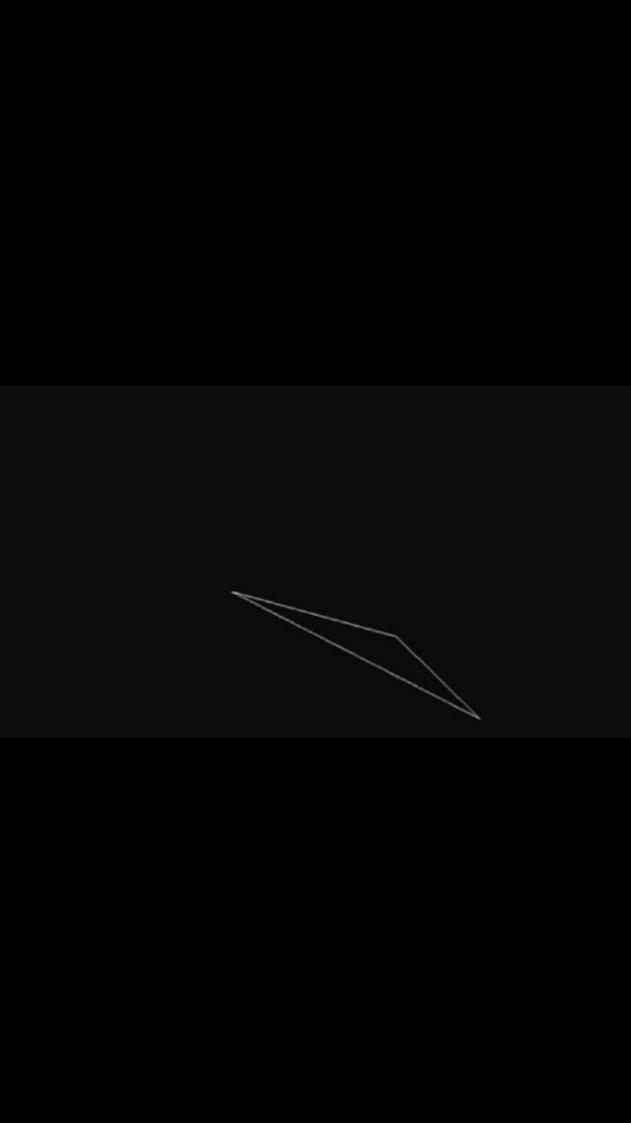




Void draw () Line (N1, 41, N2, 42); Line (N2, 42, N3, 43); Line (N3, 43, N1, 41); Void to ent n, y, a1, a2, a3, b1, b2, b3; printfl' Enter transaction Coordinates 1) Scanf (" Tod "hd", bu, by); cleardonice (); a1=211 +21 b1= 41 + y; 92 = 42 +21; b2 = 42+4; a3 = 23+21; b3 = y3 +y; Line (a1, b1, a2, b2); line (92, b2, 93, b3) Lino (03, b3, 94, b1)

Enter the 1st point for the triangle:100 150 Enter the 2nd point for the triangle:320 210 Enter the 3rd point for the triangle:432 320

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Enter the Transaction coordinates: 100 130

