Warne - Sortin Singl Course - Br A Roll no - 84 (1181115) \_ tempula grophic Amos > Brusenhen's circle alsorthm 3 tep 1: start Algorithm Step2: Declare Pog joes yord variables of the center coordinates of the circle ris the of the circle radius of the circle. & tep3: enter the value of r step43 calculate d= 3-2x Step 5% inchialize se=0 and nby = 3 step 6: checkij コレンニオ stop s tep 7 : Plot eight points by using concepts of eight-way by morety. The center is at ( P19). current active pixelis (2002) putpicel (x-t Po y+2) putpiced Cy+ p ,20+2) patriscel (-y+1 5x+1) putpoised (-x+p, y+9)
putpoised (-x+p, y+9)
putpoised (-x+p, y+9)
putpoised (-y+p, -x+9)
putpoised (y+p, -x+9) putpercel (xc+1, -y -4)

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48; Lind location of next percels to be
     · Scannel
       of de o
       then d = d+ 4x+6
     inexament re- not 1
        17 9 5 0
      then 1-d+412-1)+10
     increment x= >2+1
         quescuent d=1-1
   Step - 9,5 do to step 6
   steple: stop also
  IF Program
#include Zgraphis h>
                                        V + 14 - V - 2" .
#include < stdlib. h >
#include2stdio A>
#include x comio. h>
void Eightwaysymmetric Plot Contoco, int ye, intasinty)
#include < math. h >
 pulpix el(DC+xC) y+) C, RED);
  pulpiscel (x+xcc, -y+yc, YELLOW);
  pubpixed (-x+xc,-)+jc, GREEN);
pubpixed (-x+xc, y+yc, YELLOW);
  purposed (y+xc,x+yc,12);
  putpersed (-y +xco, -xc+yc, 15);
  pulpiscel (-y+xc,>c+yc,6);
 Void 8x esentiantirele (int occ, intyc, intx)
  int x=0, y=n, d=3-(2+8);
 Eightwaysymmetricallot(xc) yc, x) y);
while (sex=8)
   i) (d <=0)
      d=d+(4+>0)+b=
```

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21.5
   4-4-14-41-64381410:
   Eighthung jamenie Platexense stall
 101- main (vaid)
int stery Esty gelection = DETECT, grande, enouncedes,
  /* request auto determen */
 inityroph ( dydniver, dymode) "C. Il TURBO C 311891");
  Eprorence 3 24 42 ent O.
  1'f (concode 1 = grok)
  printf (" 4 saphies every: 2 -8/n", graphorocomment (evercented);
  pointf (" free ony ky to had ");
 getcher
 -ext1(1)
point f ("enter the values of sec and ye");
scant (" xd xd", 1 sec, dge)
punt f ("enter the value of radius.")
is con + ( bxd ", 18);
Usa en hanciscle ( re, year);
 getcheli
 clostyrigh();
 orchan 0;
```

#Included a Inter-# metal of contint #include < dos li > Void Hool ( to 1 int in Fine 1); Voi'd maint in Egdogm = DETEGTS CLASCA(); mitgraph (1gd, dam, "C. Tunbo (3/841"); Hood (55, 55,12,0) getch (); void flood (in + x, in + & ) in + fill col , int old col. ind (setpinel(x,y)== old-col) delay(10); pulpixel(x, y, fill-col); flood (x+1) y, fill-col, old-col) glood (x-1, y, fill-cal, old-id); glood Cocy+1, HIL-col, old-col); glood ( oc , y-1, till-col, old-col); glood (sc + 1, y-1, filled) old\_col); flood (x+1,9+1, 64 -col, ald-col); flood (x-1,y-1, fell-col, eld-col); lood (x-1) + 1, fill-col, old-col);

Algor Hm 3 tep 1 - initialize the value of and popul ( and a med). Feeling and died S Leps - Defore the boundary volume of the petyson Step 3 - e heart the amount well point is of stefault Color Libers Seperal the Atoptic and a till & aundary parch reached If getficel (xi) = doe't then regard words 8 top 4 - change the default cale with the fill rates at the iseed point setticed (seeds, usedy, feel) Steps - Recursively Jellen He procedure with form neighbour points Floodfill (seeds - 1, seeds, feelseled) Flood Fills erde + 1, seedy, feel, deal) Flood Fill (secdoc, seedy - 1, feal, teal) FloodFill ( and) C+1, seedy+1, tool , cleal) Floodfell ( seeds + 1, seedy-1, tool, ded) Flood Fill ( soute - 1, seedy - 1, teel, deel) step 6 - exit