

using Bleenhams Circle Algorithm. Program To Praw a circle # include < Stdio.h> # include < graphies of>. void main () int gd = DETECT, gm; int &, x, y, p, xc = 320, yc=2409 printf ("Enter the Radius"); Scarf ("Yd", & 1); grutgraph (Agd, Lgm, ""); putpind (xc+4,4c-4,2); P= [3-(2\*x); for (x=0; x<=y; x++) of (pro) P= Cp+(4\*x)+6);

```
ele
  9=4-1;
 p= p+ ((4*(x-y) +10));
   putpixel Crect x, 9 cg, 2);
   putpixel (xc-x, yc-y,2);
   putpinel ( nc+x, yc+y,3);
   petpinel (xc-x, yc+y), 4);
  putpixel (xc+y, yc-x, 5);
  putphiel (xc-y, yetx, 6);
  putpinel (xc+y, 4c+x, 7);
  perpixel (xc-y, yc+x, P);
 getch ();
closegraph ();
```



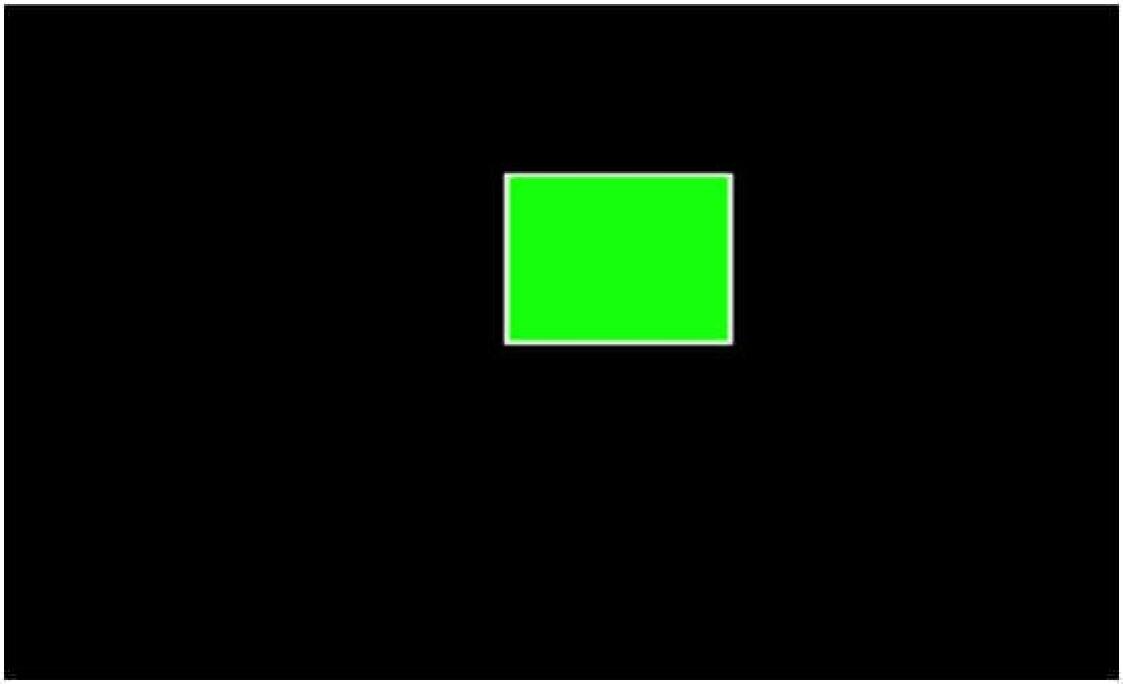


Algoriffin Step 1: Start Step 2: Peclare Ex, rey, p and intralize NC=320 and yc=240. Step3: Enter the value of Radius le. Step 4: initialize x too and y to & 9KpG: Calulak P=3-2l. styb: Check next pixel to be scanned. then y=y and P= P+4x+6 elle. incherent y and P= P+ C4 \* (x-y)+10); Sty To ho by Sty 6 until X 6-18 Kg. supp. Plot points using concept of p way symulty. centre is at ( 14, y). sup 9: Ro to sup P grep 10: Stop.

```
# include < stdio.h>
# include < Graphics. A>
# include (dos. A)
# include < conto h>
void floodfill (intx, inty, intold, intraval).
      int concert;
       convert= getpinel (x,y);
      of ( wwent == old).
        delay (5);
    putprinel (x, y, newcol);
    floodfill (xH, y, old, newcol);
    floodfell ( re$1, y, old, new col);
    floodfill (xa, y+1, old, newcol);
   floodfill (x, y-1), old, newcal);
   floodfoll (x+1, y+1, old, newcol);
   floodfill (x-1, y+1, old, newcol);
   floodfill ( net, y-1), old, newcol);
   floodfill (net, y-1), old, newwol);
```

void main () int got= DETECT, gm; intgraph (lgd, lgm); Rectangle (50, 50, 150, 150); floodfill (70, 70, 0, 15); getch(); closegraph ();

)



Floodfill Algorithm. Skp1: Initialize the value of said point ( 24,4), I color and ded. Ap 2: Define houndary valued of polygon Sup 3. Check if circlent leed point is of default culor then repeat Step 4 and step 5. till boudary pixels are kearled. if get pixel (x,y) = deal then repeat 4 and 5. Step 4: Change defaut color with fillcolor at Red point. set pixel (x, y, fcol). 949 5 -> Recussively follow the procedure with 4 reigh barboard

floodfill (x-1, y, fwl, dcol) floodfill (x+1, y, scol, dcol) (x, y-1), fcol, dol) flood fill CN, y+1, fcol, dcol) flood fill ( ntt, yt ) fcol, dcol). Hood Fill ( x ext-1, y +1, f(01, d(01)) flood fill ( 9c+1, 4-1, fcol, dcol) prood fill (x-1, y-1), feet, deel) flood Pill My 6: Exit