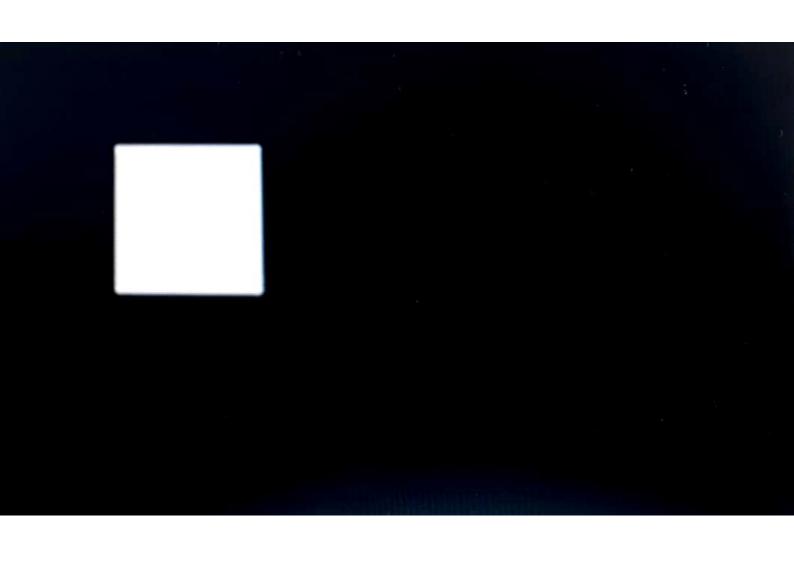
Name-Pranay Joshi Ans 1-1. Course - BCA Sec - 8 Roll no . - 1121104 (23) Algorithm subject - computer cyraphics Step 2 - Indialize the graphics mode. Step 1 - Start Step 3- construct Draw the rectangle using rectangle function. Step4- Implement 8 connected floodfill with the co-ordinales randy pedpixel (n, y, newcol); floodfill (2+1, y, old, new col) Morning on brist floodfill (n-1, y, old, newcol) Mornis white god in High floodfill (n, y+1, old, newcol) Alming Dage La Miller Armondo Aspalle froodfill (n,y-1, old, newcol) Mountain to at you to be them floodfill (n+1,y+1, old, newcol) Charmandy to police they floodfill (2-1, y+1, old, newcol) Motorally dig Ind Hay Manunichlo Lagretin 180 floodfill (n+1,y-1, old, newcol) floodfill (n1, y-1, old, newcol) Moramore blog bog ( ton ) His Step 5 - Stop. 1) mount Employer the sections spings had right 2602 (00) (00) (00) (00) Sellanion of I fight

```
Program
#include cstdio-h7
# include sgraphics.h7
# include (conio.h)
void floodfill (intx, inty, intold, dintrumcol)
          west and of other your objector offerent finiteres of
 int ament;
 current = getpixel (n.y)s
                                   3 ( Sommer of one Joseph
  of (current == old)
                               Homer the gate Water
   delay (5);
                                   (15 to selling to Billion
   putpixel (n,y, newood);
   floodfill (n+1, y, old, newcol);
                                   (I married of type Ille
  floodfill (2-1, y, old, newcol);
                                     Charma blook of grand
  froodfill(n,y+1, old, newed);
 floodfill (n,y-1, old, newcol);
                                  Onmally step I to I from
 floodfill (n+1, y+1, old, newcol);
                                   (designate of god a 1 / 6 m)
floodfill (n-1, y+1, old, newcol);
                                   Mountain to the different
froodfill (n+1, y-1, old, newcol);
                                    of foreman of the Kel A. Differen
frodfill (n-1,y-1, old, newcol);
void main ()
  intgd = DETECT, gm;
  initgraph (kgd, kgm);
 rudangle (50,50,150,150);
 florafill (70,70,0,15);
  getch();
 closegraph();
```



(1) Name - Francy Joshi Ans 3. course-BCA Sec. - B Roll no - 1121104(23) Algorithm sub - computer graphics Step1 - start agot coly Step2- Declare p.q. n.y.r. d variables P.9 are coordinates of the center of eircle I is the radius of circle. Kin political and and and Step3- Enter value of 21. Subditte - State Step 4. calculate d=3-28 KHOIM & Shills Initialize n=0 1 may= 91 step 5-Step6- check if the whole circle is scan tolling points エチ カフェサ step 7 - Plot eight points by using concepts of eight-way symmetry 7- Plot eight points by using adive is (n,y)
The center is (P,q). Current adive is (n,y) putpinel (n+p, y+q) e (min 11 18 ) A Company of the same the straining to pulpinel (y+p, n+q) sen shire in the property put pixel (-y+p, n+q) Mercal dear Carellerian putpixel (-n+p,y+q) of only generally and putpixel (-x+p, -y+q) put pixel (-y+p, -n+q) of exercisions with the putpixel (y+p,-n+q) Find location of next pixels to be scanned. putpizel (n+p, -y-q) then d=d+4n+6 increment n= n+1 과 d≥0 zen d=d+4(n-y)+10

```
increment n= n+1
  decrement y= y+1
Step 9 - go to step 6
                          golderment a fire good and a competer
Step10- stop.
                    about trasland will be patrontheories on fine
Program
                                  stores for gridery will be it
#include < graphics.h>
                                       in for sular sides of in
# include < stdlib.h>
                                      me and statutes of que
# include < stdio.h7
                             Barrellin Barr andoles Ten
void Fightwaysymmetric Plot (int nc, intyc, inta, inty)
pulpinel (n+nc, y+yc, RED);
                               with the tell call the party of the
putpind (x+nc,-y+yc, YELLOW);
putpixel (-n+nc,-y+yc, GREEN);
                                Grang gran Director
pulpixel(-n+xc,y+yc,YELLOW);
                                egen gree braighte
putpinel (ytac, n+yc,12);
                               aponique Mexigle
putpixel (y+xc, -x+yc, 14);
putpixel (-y+nc, -n+ye, 15);
                               (graphy or straighten)
putpixel (-y+nc, n+ye, 6);
                               Gregory agent Marylors
 void Bresenham Circle (int nc, intye, intr)
                                   an reported langeton
  int n=0, y=2, d=3-(2*8);
                                of K aspendingly
  Eight way symmetric Plot (ne, ye, n, y);
                                          000
 while (2<=y)
                                       Stylle for I will
 4 y (d<=0)
                                        dian thousand
                                         0 0 1 1
                                       Old Karried Land
```

```
d=d+(4*x)+6;
else
d=d+(4*n)-(4*y)+10;
   4=4+13
 7=3+13
 Fight way symmetric Plot (ne, yes noy);
 int main (void)
int ne, ye, r, golniver = DETECT, gmode, error code;
initgraph (& gdriver, & gmode);
 error code = graphies ult (0);
if (errorcode!=grok)
 printf ("Graphics error: "/15/n", grapherrormsg (errorcode));
 printf (" Press any key halt:");
 getch ();
exit (1);
printf ("intervalues of ne And ye:");
scarf ("./.d", & nc , lye);
printf (" Enter the value of radius:");
scanf ("1.d", & r);
 getch();
close graph();
return 0;
```

(3)

