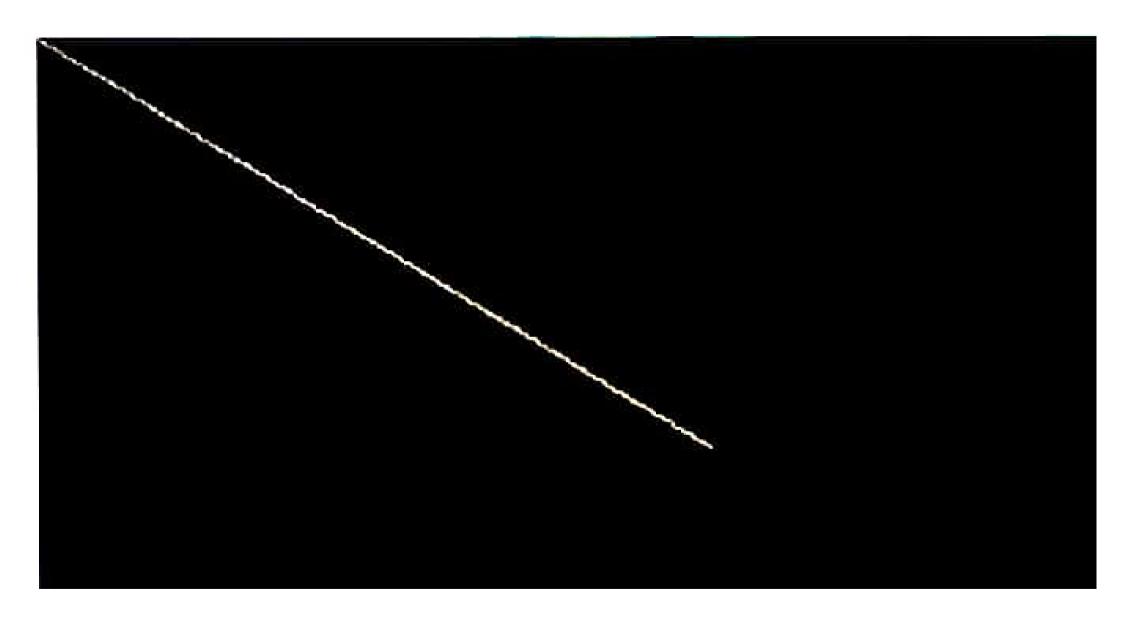
Name - Vaibhar joshi Course - BCA Sem - 6 Subject - Computer graphics Rollmo- 42 (1121157) Soction- C

```
Algo- Jun coordinate of two paints A (x1, y1) and B(x2, y2). The tax
is to find all the intermediate proints required to draw AB on screen
# include < bits / std C++ · h>
 using namespace std;
void brusenham (int x1 int 41, int x2, int 42)
   int m-new = 2* (y2-y1)
   int Slope-evolori-new=m-new-(x2-X1);
  for (int x = x1, y = y1; x <= x2;x++)
    (out << " (" << x << "," << y << ") \n";
    Slope_evoron_ new + = m_new;
   if (slope_erron-new>=0)
    4++;
    slope-error - new = 2 * (x2-x1);
 int main ()
 2 smt x1=3, y1=2, x2=15, y2=5;
  doverenham (x1,y1,x2,y2);
  raturn o;
```

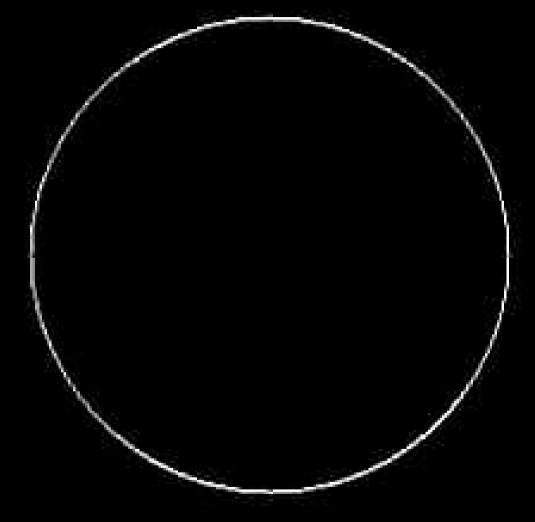


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Subject - Computer graphics
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Rollmo - 42 (1121157)
Sodien - C
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```
Algo-The mid fraint wicle algorithm is an algorithm used
to determine the point needs for vostorizing a circle.
 vard midfraint Greener draw (intx - centre, inty - centre, intr)
  # include <stdio.h>
{ int x=x,y=0;
  part ("(", d, % d)", x + x - comba, y+y-centre);
  y ( 1>0)
     frant ("(900,900)", x+x_centre, -y+y-centre);
     from ("(9.d, 9.0d)", y + x - centre, x+ y - centre);
     point ("( ( od, 9 . d) / m", - y + x - centre, x + y - centre);
    int P=1-7;
    while (x>y)
    ¿ H++;
      J (P(=0)
      P=P+2*y+1;
       P=P+2*y-2*x++;
      1) (x(y)
     Burt ("(9,0d, 9,0d)", x+x- contra, y+y-contra);
     Band (" (%d, %d)",-x+x- centra, y+y- centra);
     Crist (" (40d, 40d) ) (+ x - centre, - y + y - centre);
     Bring ("(9.d, 9.0d)/n", -x+x-centra, -y+y-centra);
     if (x!=y)
     District ("(400,0/0d)", y+x-centre, x+y-centre);
     Boarts ("("("dod, "/od)", -g + x - contro, x + g - contro);
     Burt ("(4.d, 4.d)", y-1 x-comba, -x+y-comba).
     Brisks ("(9, d, "10d)/m;" - y + x - contra, - x +y - contra);
      ( Intimom tril
      mi) from the (0,0,3),
      · columin 0;
```

Enter radius of circle: 100 Enter co-ordinates of center(x and y): 150 150



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```
Algo-Boundary fill algorithm starts at a fixel imside the
         to be filled and paints the indervior proceeding
outwards towards the boundary.
 void boundary fill 4 (int x, inty, int. fill color, int boundary.
# include < graffic. h>
     (down)
    if (got fixel(x,y)!= boundary-colonale
         get fixel (x,y)!= fill-color)
    putfixel (x, y, fill - color).
    Ixoundary fell4(x+1, y, fell-copie, boundary-copie).
    boundary fill4(x,y+1, fill-color, boundary-color);
    boundary fill 4 (x-1, y, fill-color, boundary_color).
    Doundaryfill 4 (x, y-1, fill- (dor, Doundary - color);
   (some time)
   f and gd = DETECT, gm;
    initgraph (& gd, &gm,"");
   int x= 250, y=200, radius=50,
   circle (x, y, codius);
   toundary fill4 (x, y, 6, 15);
   delay (90000).
   getch ();
   close groth ():
   - Keturun O:
```

