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Nome - Sumit Singh Rawat Course - BCA 6C
university roll no - 1121150
                             Subject home - Computer Caraphi
 Paper Lade - PBC 602
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02

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Source code
# include < stdio. h>
# include < graphics. h>
 void drawirue (int XO, int YO, intradius)
   int x = radius
   int y = 0;
    int err = 0;
    while (y > = y)
       purpixel (XD+X, YD+Y, 7);
       purpoixel (XO+Y, YO+X, 7);
       pupixel (x0-y, y0+x,7);
       purpixed (X0-X, Y0+Y, 7);
       putpixel (x0-x, y0-y, 7);
```

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```
Put pixel (x0- x, y0-x, 7);
pubxel (x0+y, y0-x, 7);
pw bixe (x0+x, Y0-y, 7);
y (crr < =0)
   Y + = 1;
   err + = 2 * y + 1
  y (err > 0)
     1 -= 1;
     err = 2*x + 1;
 int main ()
  int gariver = DETECT, guade, error, X, Y, r;
  Print f ("Euser radius of circle: "); Scanf ("1.d", Lr);
```

Scanned with CamScanner

friet ("Even co-ordinates of cours (2 and)):")

Stanf ("1.d. 1.d', &x, &y);

initgraph (f-gdrives, 4 gmode, "");

drawwirue (1, y, t);

delay (9999999);

Tehra 0;

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Algoritum

Procedure

(outre of circle = (70,70) Radius of circle = R

Step 1 - Assign the branking point to-ordinary (20, 40)

Sho = 0

Yo = R

Step 2 + Calculate the value of initial decision Poat-Po 2 1-R

the next point as (21K+1, 7K+1)

find me next parada point me first octent clependig on me value of decision parameter Pix follow he below two lases

Two cases $\begin{array}{c}
(a_{12}-0) \\
P_{K} \neq 0
\end{array}$ $\begin{array}{c}
(a_{12}-0) \\
Y_{K+1} = Y_{K} \\
P_{K+1} = P_{K} + 2x X_{K+1} + 1
\end{array}$ $\begin{array}{c}
(a_{12}-0) \\
Y_{K+1} = Y_{K} \\
P_{K} \neq 0
\end{array}$ $\begin{array}{c}
X_{K+1} = X_{K+1} \\
Y_{K+1} = Y_{K} + 1
\end{array}$ $\begin{array}{c}
Y_{K+1} = Y_{K} + 1 \\
Y_{K+1} = Y_{K} + 1
\end{array}$ $\begin{array}{c}
Y_{K+1} = Y_{K} + 1 \\
Y_{K+1} = Y_{K} + 1
\end{array}$

g me given centre point (20,70) is not (0,0)
then do me following end plat mo. point
Deplot = 21. + 40

Y plat = 401 40

Step 5 - Keep repeating step - 3 and step y with × prot > = y prot step 6 - Step 5 generates are the point for one Others

Juni L