```
Name: virondry Singh Code! PBC-602
Cowse! BCA VI 'C'
Roll No! 55
Unir, Roll No: 1121170
```

```
Void main(), 1, 1, 4,0, x2, 42, dn, dy, stops, b;
       print (" Enter (11, 41);");
 Any
       int i=1, gd = DETECT 1gm;
       SCanf ( (Senter ( ) 10 f ) of ", & 1, 24,);
      Printf (" Enter ( 92, 92):1)
Sanf (" % of % of ", 2 , 2 , 2 , 2 , 2 , 2 );
initgraph ( 2 gd), 2 gm), "");
     dn=22-21
       dy = 1/2 = 71;
       Steps = dn +1;
        int px = (2* dy)-dx;
        b = pk;
    ( ) ×= ×1;
          y = 91
     write ( 1 2 = steps)
        2 if (pco)
           2 putpixel (x, y, BLUE);
         タニタナ1;
          p= p+ (2*dy);
          Jelay (50);
```

else 1 putpirel (n, y, BLUE); $\begin{array}{ll}
x &= x + 1; \\
y &= y + 1 \\
\end{array}$ P = p+(2*dy)-(2*dn); delay (so) getch (); Close graph() Algorithm 12 Step 1: Start Step 2: Declare variable 71, 41, 1/2, 1/2, d) Step3: Enter value of 21, 41, 12, 42, Stepy: calculate In = 72-71,
dy = 42-41 1,=22×dy 12 = 2 x (dy -dn) @ d = 11 2dn Consider (7,4) as starting foind & Mend as maximum possible value g n if d1 40, then 2= 22 y = 1/2 / nend = a, If dn > 0 tren n = n, y = y, $n = nd = a_2$ Corenate point at (x, y) coordinates Check 17 whole lines génerator

if a>= rend stop. Step 8: Calculate co-ordinates of the Newt pixel if de0 then d = d + il if a so then d=d+1 in cuerrent y = 9+1 Step 9: - Incurrent n= aft Step 10 - Draw 9 point of take (21,4) coordinates Step11: - 010 to 8tep7 Step12: End. The Boule of the Market of the Co.

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