(2P1=) Bogsamo # include < graphics-h> Void main () float x19, x1, 1/2, 191142 1dx, dy, Steps; inti, gd= DETECT, gm ; (" : (1/21)x) setus ") frinct Scand (" of dot ", 8x, (8.4)) fount (" Entra (x2142) ")) Scanf (" olof or f", 8x21 842); initgraph (8gd , 8gm, ""); d1= abs (12-11) dy = abs (92-91) if (qx >= qa) Steps = d1; Olse steps = dy 1 dx= dx | steps " dy= dy/ steps; x= x1; 4=419 Bhuvan Panduy 1=1°

While (i<= steps) putpixel (11915); X=X+ dx " y=4+ dy" 1=1+1; 3 gran (20); gran (2000) Clomgraph(), Step1: Start Algorithm Step 20 Declare x114, x2, 42, dx, dy, x14 as a float variables. Step30 Enter the value of \$1,14, 1x2, 42 Stepyo Calculate dx=(x2-x1) Step 5: Calculate dy= (y2-4) Step(: if AB5(dx)> AB5(dy) then step = abs (dx) chr Step= obs(dy) Step 7% dy = dx/ Steps.

dy = dy / Step. Bhuvan fandiy awigh $x=x_1$

Steps: Set pixel (x14)
Steps: x= x+dx

y=y+dy

invument i by 1

Step10: Repeat Step 9 untill x= x2

Step11: End algorithm.

Bruvan Panday

Outptut

```
Enter the value of \times 1 and y1 : 100
100
Enter the value of x2 and y2: 150
150
```