Name - Sunit Singh Rouch university 2011 no- 1121150 Paper Lade - PISL 602

Course - BIA 60 Subject name - Lomputer Corapl

Source cade

include (Std10. h) # include < graphics. h> int main () int rou (floor hum) int hum LO! hum-0.5: hum + 0.5; in x1 = 100, x2 = 300, y1=100, y2 = 200; im gd = DETELT, gm; Flock PK, PKK, DL, Y, Step ; in dx= X2-X1 int dy = 42 - 41 PR= 2+ dx - dy; If (dx>dy)

```
Step = dx;
else
Step = dy;
 initgraph (l.gd, lgm, "");
  DW+CX+ XY (X1, Y1," A");
  outextxy (x2, y2, "B");
   Putpixel (x1, y1, while);
   x = x1 , y= y1;
    while ( step >0)
      if (PK LO)
       PKK = PK + 2 * dy;
       4
       else
        PKK = PK + 2 x dy - 2 x dy;
         Y++ ;
         pur pixel (tou(x), tou(y), while !;
```

Algorithm

Step 1: Start

Sup 2 ! Dellare variable

Step 3: Enter bour of 11, 11, 12, 12

where XI, 11 are coordinates of Sterting point

sterting polit

And X2, X2 are. Loordinar of Ending born

Step 4: Cel Culate $dx = \chi_2 - \chi_1$ Calculate $dy = \chi_2 - \chi_1$ Calculate $i1 = 2 \times dy$ Calculate $i2 = 2 \times (dy - d\eta)$ Calculate d = i1 - dx

Step 5: Consider (11, y) as storting point and xender maximum possible value of x.

If d 21 2 0 Then X = 22 Y = Y2 Send = X1

Sunit

if dx > 0Then X = XI Y = XIY = XI

Step 6: Crenerate polit at (11,1) Coordinated

Step 7: Check My whole line is generated

y x > = x end

stop.

Sup 8: Colculate Co-ordinates of the MOX# bixel

if d∠0 Then d= d+il yd≥0

Then d = d+i2 increment Y= Y+1

Sup 9: 2merement DI= 21+1

Sep 10: Drow a point of latest (11, y) bordinely

Sup 11: Go to Step 7

Step 12: End of Algorithm

Sumit