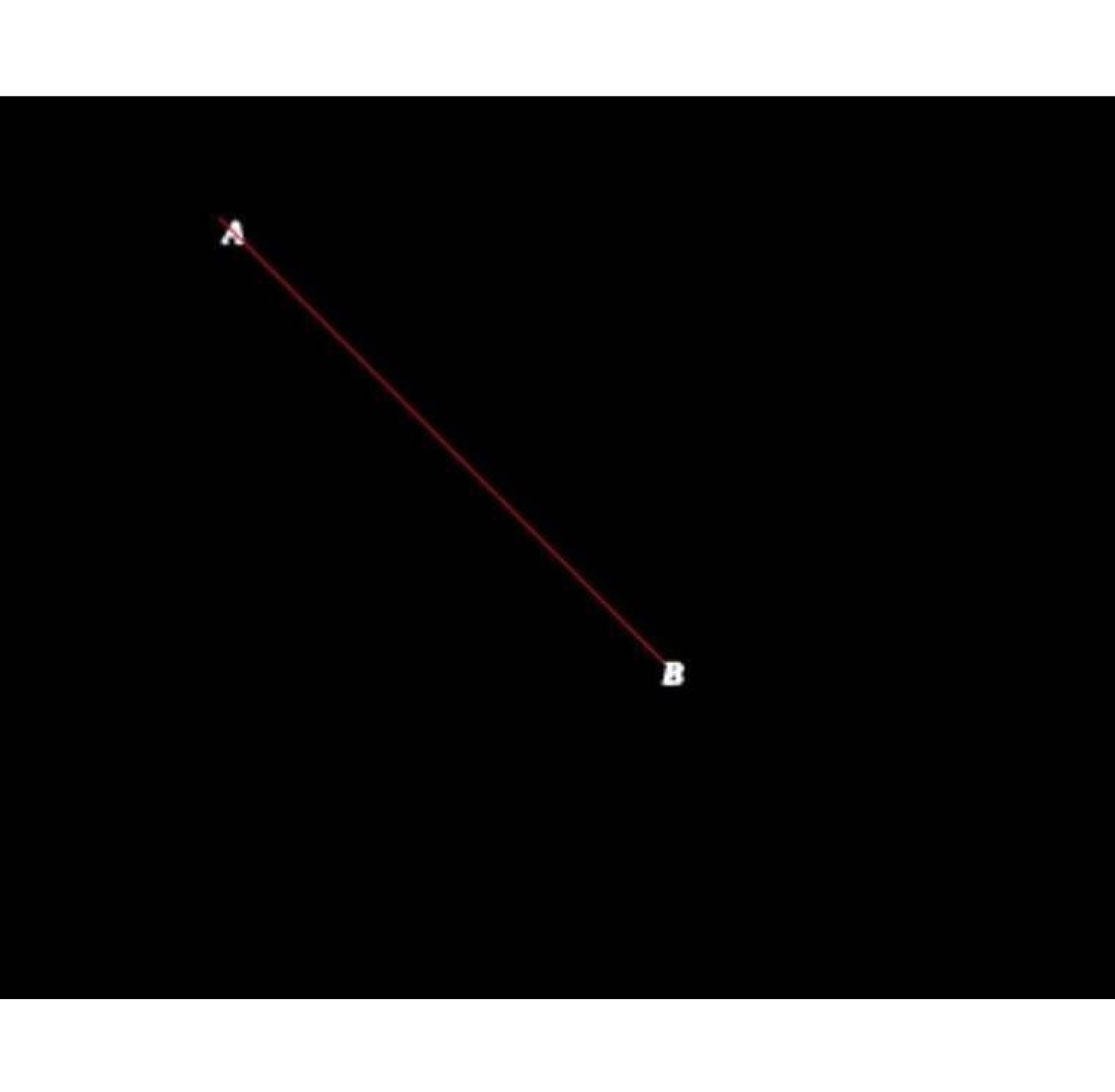
Name -> Kajal chousey Cowers -> BCA - 6'A' University Roll-no -> 1121069 Subject -> Computer Graphics Algorithm -Step 1 -> Start Algorithm. step2 -> Dudare XI, y1, x2, y2, dx, dy, x, y as integer Step3 -> Enter value of X1, y1, X2, y2. Step4 -> Calculate dx = x2-x1. Step 5 -> Calculate dy= 42-42. Step 6 -> If ABS(dx)>ABS(dy) Then step = abs (dx) xinc = dx/step. yinc = dy 1step. awign=X=X1 assign y= y1. step 8 -> set pixel (x,y) step 9 -> X=X+Xinc y=y+yinc

set piacls (Round(a), Round (y))

```
Step 10 -> Repeat step 9 until X=X2.
Step 11 -> End Algorithm.
Program
# macualexstalio. h>
# include < graphics .h>
int main ()
    int rou ( Hout num)
        return num < 0 ? num - 0.5: num + 0.5;
     107+ x1=100, x2=250, y1=100, y2=250, 0tep3
    mit gd = DETECT, gm;
    froat x, y, m;
    int dx = x2 - x1;
    int dy = 42 - 41;
    m=dylax;
    if (ax >dy)
          step = Oxi
         step = dy;
   initgraph (4 ga f g m, "");
   out textxy(11, 41, "A");
   outtextny(x2, 42, "B");
   putpiael (21,41, RED);
   x = x1, y = y2;
  aunille (stap >0)
```

```
if (m(1)
\alpha
x=x+1;
y=y+m;
 if (m>=1)
       n = n + 1/m;
      4=4+1;
  putpiael (rou(x), rou(y), RED);
getch ();
 noum Oi
```



Name -> Kajal Chouby COUTSE -> BCA-6'A' University Rollino -> 1121069 Subject -> computer araphics Am - 3 = # indude (stalo.h) It indude < graphics.h) int main () int ga = DETECT, gon; in it graph (490, 49m, ""); line (0,2000, get mary),200); line (0, 360, gctmana(), 360); Sct color (WHITE); nurangle (150, 200, 260, 230); Hoodfill (152, 20, WHITE); netangle (150,240,260,260); #1000 fill (152, 241, WHITE); rutangle (150,270,280,290); #1000 fill (152, 271, WHITE); rutangle (150,300,280,320); 41000 fill (152, 301, WHITE); rutangle (150,330,280,350); #1000 fill (152,331, WHITE); Schoolor (WHITE);

```
rutangle (140,200,145,130);
 rut angle (130,130,155,70);
 Set color (RED);
circle (142, 82,6);
#100 full (142, 82, RED);
setcolor (VELLOW);
arde(142,100,6);
+100 d + i4 (142, 100, YELLOW) 3
SUTO10Y (GREEN);
circle (142, 118,6);
#1000 fill (143, 118, 0) REEN)
 setcolor (WHITE);
 gutch ();
clase graph ();
returno;
```

