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Subject:- Computer Graphics & Animation LAB
Sec:- A
Sem:- 6th

PRACTICAL

include < stdio.h>.

include < graphics.h>

int main()

int bev(float num)

S

seedurn num < 0? num-0.5: num

+0.5;

int ×1=100, ×2=250, y1=100, y2=250

int $\times 1 = 100, \times 2 = 250, y^2$ $\therefore step) \times y :$ int ga = DETECT, gm; $\exists loa & \times y : m;$ $\exists n + dy = y^2 - y^2;$ m = dy / dx; $\exists Cdx > dy)$

Step= dx;

else

Step = dy;

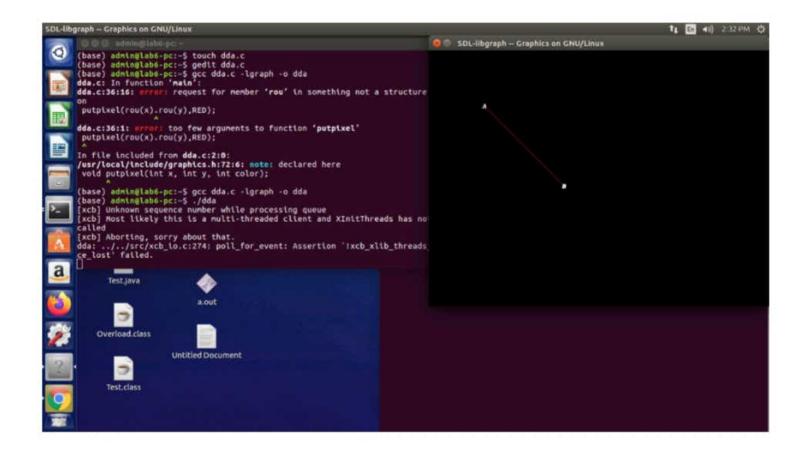
```
intigraph ( & 80, & 9 m . " ");
OU &text xy (x1, y1, "A");
oustextxy(x2, y2, "B");
PULPIXelCX1, Y1, RED);
   x= x1, y= y1;
 while (step>0)
          ; 5 cm < 2)
                y=y+m;
            (fcm>=1)
        Ş
             x = x + 1/m
              y= y + 1;
      PUJPIXEI (rev (2), Ezer (y), RED);
        Step--;
   gétch();
    regurno;
```

```
Algorithm:
Step I:- Start Algorithm
Step 2:- Declare x1, y1, x2, y2, dx, dy, x, y
          as integer variables.
        intialize the value of x1, y 1, x2, y2.
Step3:-
Stept:- Calculate dx = x2-x1
Step5:- Calculade dy = y2-y1
        15 02709
Step 6:-
          Then, step= 0x;
            else, step=oy;
Stept:- Assign, x=x1
                   9=91
Step 8:-
         Se& Pixel (x,y)
         xees Starting while loop (Step70)
Step 9:
             15, ~<1
             then x = 2e + 3;
                    y = y +m;
             on o,
             1 = 5 m >= 1
```

4men x = x + 1/m;

S= 8+1;

Step 10:- Sed pixel CRevCx), RevCyn Step 11:- Repead Step 9 untill x=x2 Step 12:- End Algorithm





#include<staio.h>
#include < graphics.h>
int main co

int gd= DETECT, gm; initg = apr (& gom, & gm, ""); line (0,200, dequax (),200); line (0,360, gedmax(),360); Set color (WHITE); irectangle C150,210,260,230); & 1000 5111 CIBZ, 220, WHITE); recutangle (150, 240, 260, 260); F1008 SIN (152, 241, WHITE); rectangle (I50, 270, 2860, 290); 51000 5111 (152,271, WHITE). rectangle C 150, 300, 260, 320) & 1000 Sill (152,303, white) vectangle (150,320,260,350); Sload & i'll C 152, 331, white); Sed color (WHITE); receangle (140,200,145,130); rectangle (136,130,155,70); Set color (RED); circle C142,82,6); 510005111 (142,82, RED); Sed color C YELLOW) circle (142,100,6) 510005111 C142,100, YELLOW); Sed color CGREENI);

Circle C142, 118, 6); &1000 & & (143, 118, GREEN); Sed color (WHITE); ged ch(); close graph(); redurno;

Z