



DEPARTMENT OF COMPUTER ENGINEERING

Name: Sumit Subhash Agashi **Class :** SE-CMPN-A1 **Roll no.** 3

```
#include<stdio.h>
#include<conio.h>
#include<graphics.h>
void main()
{
    int gd=DETECT,gm,i;
    int x1,y1,x2,y2;
    float x,y,dx,dy,steps;
    initgraph(&gd,&gm,"C:\\\\TurboC3\\\\BGI");
    setbkcolor(GREEN);
    x1=100;
    y1=100;
    x2=500;
    y2=300;
    dx=x2-x1;
    dy=y2-y1;
    if((dx)>=dy)
    {
        steps=(dx);
    }
    else
    {
        steps=(dy);
    }
    dx=dx/steps;
    dy=dy/steps;

    x=x1;
    y=y1;
    i=1;
    while(i<steps)
    {
        Putpixel(x,y,RED);
        x+=dx;
        y+=dy;
        i=i+1;
    }
    getch();
    closegraph();
}
```



Shree Rahul Education Society's (Regd.)

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

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Output:

