PROBLEM STATEMENT: Write a program to draw a line using Bresenham's line generation algorithm.

<u>Objective:</u> This lab exercise implements the line drawing algorithm using decision parameter and pixel values.

```
Name: - Shamsher Singh Bhandari
Roll No :-49(1022759)
bsc it 6th sem
// program to draw a line using Bresenham's line generation algorithm.
#include<stdio.h>
#include<graphics.h>
#include<math.h>
#include<conio.h>
void bresenhamline(int,int, int ,int );
int main()
{
int x1,x2,y1,y2,xn1,yn1,xn2,yn2,angle;
double s,c;
int gd=DETECT,gm;
initgraph(&gd,&gm," ");
cleardevice();
bresenhamline (100, 150, 200, 180);
getch();
closegraph();
return 0;
//.....//
void bresenhamline(int x1 ,int y1, int x2 ,int y2 )
{
int dx=x2-x1;
int dy=y2-y1;
int x=x1;
int y=y1;
int p=2*dy-dx;
printf("x \t y \t p \n");
```