**PROGRAM NO. 7**

**AIM-** To perform reflection of a point about a line y=mx+c.

#include<graphics.h>

#include<math.h>

#include<iostream.h>

#include<conio.h>

void main()

{

intgd=DETECT,gm;

initgraph(&gd,&gm,"C:\\turboc3\\bgi");

intmidx=getmaxx()/2;

intmidy=getmaxy()/2;

line(midx,0,midx,getmaxy());

line(0,midy,getmaxx(),midy);

rectangle(50,50,100,100);

//setcolor(RED);

rectangle((midx-50)+midx,50,(midx-100)+midx,100);

line(100,midy+50,100,midy+150);

line(100,midy+50,midx-100,midy+150);

line(100,midy+150,midx-100,midy+150);

//setcolor(YELLOW);

line(getmaxx()-100,midy+50,getmaxx()-100,midy+150);

line(getmaxx()-100,midy+50,midx+100,midy+150);

line(getmaxx()-100,midy+150,midx+100,midy+150);

getch();

closegraph();

}

**OUTPUT:-**

