NAME: - RAJAT GUPTA

ROLL NO: -1900290149078

COMPUTER GRAPHICS (RCA-551)

SEC - B

#include<stdio.h>

#include<conio.h>

#include<graphics.h>

#include<math.h>

void main()

{

int gd=DETECT,gm;

int x1,y1,x2,y2,tx,ty,x3,y3,x4,y4;

initgraph(&gd,&gm,"C:\\TurboC3\\BGI");

printf("Enter the starting point of line segment:");

scanf("%d %d",&x1,&y1);

printf("Enter the ending point of line segment:");

scanf("%d %d",&x2,&y2);

printf("Enter translation distances tx,ty:\n");

scanf("%d%d",&tx,&ty);

setcolor(5);

line(x1,y1,x2,y2);

outtextxy(x2+2,y2+2,"Original line");

x3=x1+tx;

y3=y1+ty;

x4=x2+tx;

y4=y2+ty;

setcolor(7);

line(x3,y3,x4,y4);

outtextxy(x4+2,y4+2,"Line after translation");

getch();

}