

Date:04/01/2021

NAME:ATUL SINGH

ENROLLMENT NUMBER: 190029014005214

SUBJECT : COMPUTER GRAPHICS LAB (RCA- 551)
INTERNAL PRACTICAL EXAMINATION.

**AIM: WRITE THE PROGRAM TO PERFORM TWO
DIMENSIONAL TRANSLATION ON LINE SEGMENT.**

EXPERIMENT:

```
#include<graphics.h>
#include<stdlib.h>
#include<stdio.h>
#include<math.h>
void main()
{
int graphdriver=DETECT,graphmode,errorcode;
int i;
int x2,y2,x1,y1,x,y;
clrscr();
printf("Enter the 2-line_end_points");
printf("x1,y1,x2,y2:\n");
```

```
scanf("%d%d%d%d",&x1,&y1,&x2,&y2);
initgraph(&graphdriver,&graphmode,"c:\\turbo3\\bgi");
line(x1,y1,x2,y2);
printf("Enter translation co-ordinates ");
printf("x,y:\n");
scanf("%d%d",&x,&y);
x1=x1+x;
y1=y1+y;
x2=x2+x;
y2=y2+y;
printf("Line after translation----->");
line(x1,y1,x2,y2);
getch();
closegraph();
}
```

OUTPUT:

LINE BEFORE TRANSLATION.

Enter translation co-ordinates x,y:

|

LINE AFTER TRANSLATION.

Enter translation co-ordinates x,y:

100 200

Line after translation----->

|

|