## **SOURCE CODE:**

```
#include<stdio.h>
#include<graphics.h>
#include<stdlib.h>
#include<conio.h>
int main(void)
{
int gdriver=DETECT, gmode, errorcode;
int x1, y1, x2, y2, tx, ty;
initgraph(&gdriver, &gmode, "C:\\TURBOC3\\BGI");
printf("Enter the First co-ordinates of x1 and y1: ");
scanf("%d %d",&x1,&y1);
printf("Enter the second co-ordinates of x2 and y2: ");
scanf("%d %d",&x2, &y2);
line(x1, y1, x2, y2);
printf("Enter the translation vactor of tx and ty: ");
```

```
scanf("%d %d", &tx, &ty);
line(x1+tx, y1+ty, x2+tx, y2+ty);
getch();
closegraph();
return 0;
}
```

## **Output:**

```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: ... — X

Enter the First co-ordinates of x1 and y1: 50 50

Enter the second co-ordinates of x2 and y2: 80 90

Enter the translation vactor of tx and ty: 90 140
```