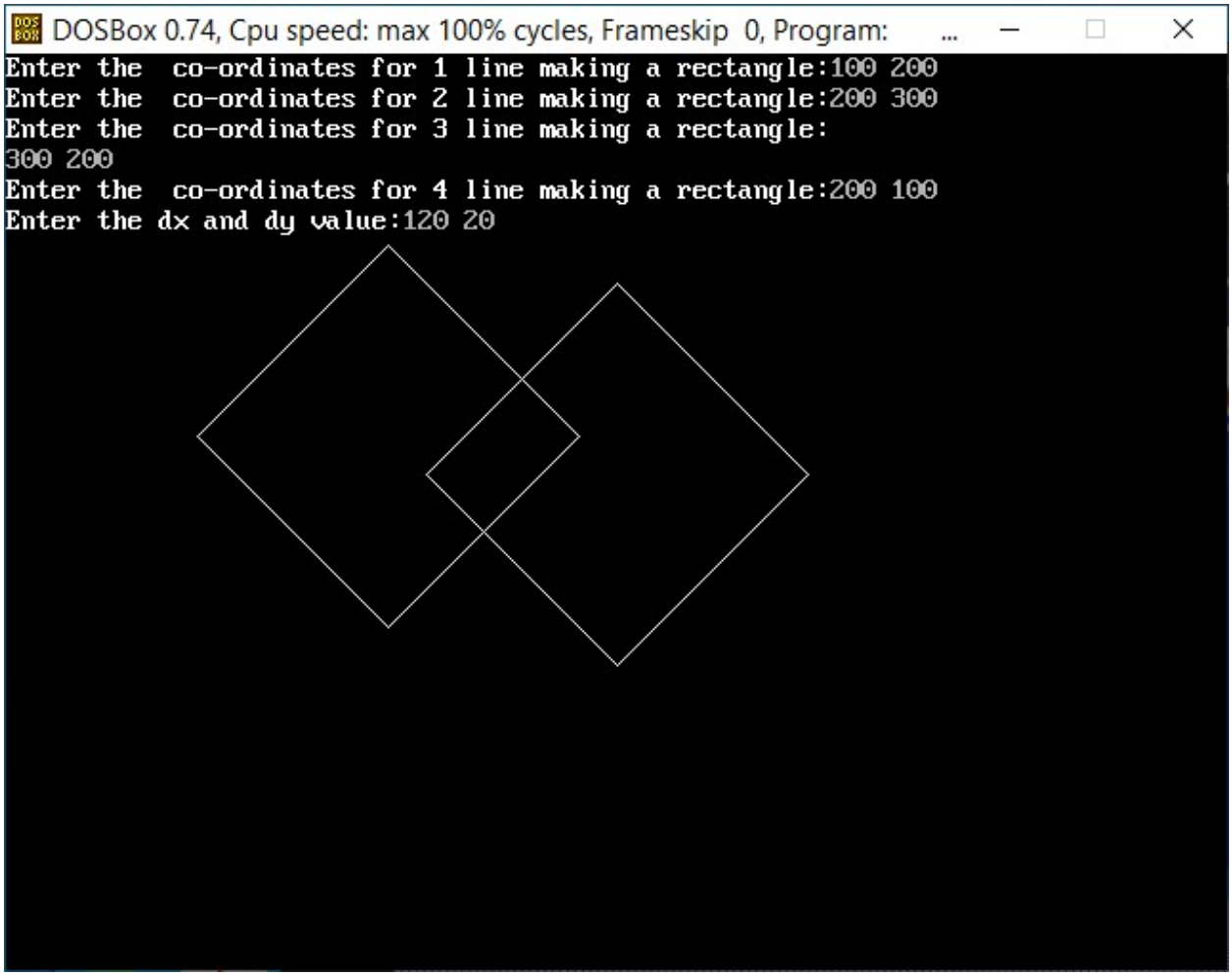
SOURCE CODE:

```
#include<stdio.h>

#include<conio.h>
#include<graphics.h>

#include<dos.h>

#include<graphics.h>

#include<stdlib.h>

int main()

{

int gdriver=DETECT, gmode, error;

int x1, x2, x3, x4, y1, y2, y3, y4, dx, dy;

initgraph(&gdriver, &gmode,"C:\\TURBOC3\\BGI");


printf("Enter the  co-ordinates for 1 line making a rectangle:");

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

printf("Enter the  co-ordinates for 2 line making a rectangle:");

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

printf("Enter the  co-ordinates for 3 line making a rectangle:");

scanf("%d%d",&x3, &y3);

printf("Enter the  co-ordinates for 4 line making a rectangle:");

scanf("%d%d",&x4, &y4);


printf("Enter the dx and dy value:");

scanf("%d%d",&dx, &dy);

line(x1,y1,x2,y2);
```

```
line(x2,y2,x3,y3);

line(x3,y3,x4,y4);

line(x4,y4,x1,y1);


x1 = x1+dx;

y1 = y1+dy;

x2 = x2+dx;

y2 = y2+dy;

x3 = x3+dx;

y3 = y3+dy;

x4 = x4+dx;

y4 = y4+dy;

line(x1,y1,x2,y2);

line(x2,y2,x3,y3);

line(x3,y3,x4,y4);

line(x4,y4,x1,y1);

getch();

closegraph();

return 0;

}
```

OUTPUT:


DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: ...
Enter the co-ordinates for 1 line making a rectangle:100 200
Enter the co-ordinates for 2 line making a rectangle:200 300
Enter the co-ordinates for 3 line making a rectangle:
300 200
Enter the co-ordinates for 4 line making a rectangle:200 100
Enter the dx and dy value:120 20