```
Lx: -1

Ux: 3

Ly: -2

Uy: 4

Ox: 1

Oy: 3

How many obstacles exist? 3

Enter the1st Obstacle X : 1

Enter the1st Obstacle Y : 1

Enter the2nd Obstacle X : 2

Enter the2nd Obstacle Y : 2

Enter the3rd Obstacle X : 2

Enter the3rd Obstacle Y : 1

*************** Start move commands with (begin) and exit with (end) ******************
****** Please enter (L : Left), (R: Right), (U:Up), (D:Down) for move instructions and then press enter for entering next command.
 ************* press X key to end the commands **************
D
Current position = (1, 2)
D

 Collision with barrier error.
L
Current position = (0, 1)
U
Current position = (0, 2)
```

```
Current position = (0, 2)
L
Current position = (-1, 2)
x

 Displacemnt = 2.23607
 Distance = 5
D:\Cpp projects\roboticMoveIn2D\x64\Debug\roboticMoveIn2D.exe (process 4740) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```