

```
selenerdogan@selenerdogan-VirtualBox:~/Masaüstü/hw4$ make
-----
Cleaning...
-----
Compiling...
-----
Running the tests....
=====

WELCOME THE 2D PUZZLE GAME!

1. New Game
2. Help
3. Quit
Please enter your choice: █
```

Şekil 1 The Menu

```
selenerdogan@selenerdogan-VirtualBox:~/Masaüstü/hw4$ make
-----
Cleaning...
-----
Compiling...
-----
Running the tests....
=====

WELCOME THE 2D PUZZLE GAME!

1. New Game
2. Help
3. Quit
Please enter your choice: 1
Enter the room size. You cannot specify a size less than 5 or greater than 10
5
-----
| | | | |
| | D | | C |
| | | | |
-----
Enter your move (a=left, d=right, w=up, s=down):
```

Şekil 2 Option 1

```

WELCOME THE 2D PUZZLE GAME!
1. New Game
2. Help
3. Quit
Please enter your choice: 1
Enter the room size. You cannot specify a size less than 5 or greater than 10.
11
Invalid input! Please enter a value between 5 and 10.
99
Invalid input! Please enter a value between 5 and 10.
1478
Invalid input! Please enter a value between 5 and 10.
52
Invalid input! Please enter a value between 5 and 10.
6
-----
| | | | | | |
| | | | | | |
| | | | | | |
| | C | | | | |
| | D | | | | |
| | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down):

```

Şekil 3 Enter false values

```

Welcome to the game.
1. New Game
2. Help
3. Exit
Please select an option: 1
Enter the room size. You cannot specify a size less than 5 or greater than 10.
5
-----
| C | | | | D | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down): d
-----
| | C | | | D | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down): d
-----
| | | C | | D | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down): d
-----
| | | | C | D | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down): d
-----
| | | | | C | |
| | | | | D |
| | | | | | |
| | | | | | |
| | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down): s
Congratulations! You caught D in 5 moves.

```

Şekil 4 Option 1 Game Continue

```

selen Erdogan@selen Erdogan-VirtualBox: ~/Masaüstü/hw4$ make
-----
Cleaning...
-----
Compiling...
-----
Running the tests....
=====

WELCOME THE 2D PUZZLE GAME!

1. New Game
2. Help
3. Quit
Please enter your choice: 1
Enter the room size. You cannot specify a size less than 5 or greater than 10.
6
-----
| | | | | | |
| | D | | | | |
| C | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down): a
You hit the wall! Please try again.
Enter your move (a=left, d=right, w=up, s=down):

```

```

| | | | | | |
| | C | | | | |
| | D | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down): w
-----
| | | | | | |
| | C | | | | |
| | D | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down): w
-----
| | | | | | |
| | C | | | | |
| | D | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down): w
-----
| | | | | | |
| | C | | | | |
| | D | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down): w
You hit the wall! Please try again.
Enter your move (a=left, d=right, w=up, s=down): w
You hit the wall! Please try again.
Enter your move (a=left, d=right, w=up, s=down): w
You hit the wall! Please try again.
Enter your move (a=left, d=right, w=up, s=down):

```

Şekil 5 Hit The Wall Cases

```
WELCOME THE 2D PUZZLE GAME!

1. New Game
2. Help
3. Quit
Please enter your choice: 1
Enter the room size. You cannot specify a size less than 5 or greater than 10.
6
-----
| | | | | | | |
| | | | | | | |
| C | | D | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down): a
You hit the wall! Please try again.
Enter your move (a=left, d=right, w=up, s=down): w
-----
| | | | | | | |
| | | | | | | |
| C | | D | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down): d
-----
| | | | | | | |
| | | | | | | |
| | | C | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
-----
Congratulations! You caught D in 2 moves.

WELCOME THE 2D PUZZLE GAME!

1. New Game
2. Help
3. Quit
Please enter your choice: █
```

Şekil 6 Continue

```

Please enter your choice: 1
Enter the room size. You cannot specify a size less than 5 or greater than 10.
10
-----
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| C | | | D | | | | |
| | | | | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down): s
-----
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| C | | | D | | | | |
| | | | | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down): d
-----
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | C | D | | | | | |
| | | | | | | | | |
-----
Enter your move (a=left, d=right, w=up, s=down): d

```

Şekil 7 Other Cases

```

Enter your move (a=left, d=right, w=up, s=down): d
-----
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | C | | | | | | |
| | | | | | | | | |
-----
Congratulations! You caught D in 5 moves.

WELCOME THE 2D PUZZLE GAME!
1. New Game
2. Help
3. Quit
Please enter your choice: █

```

Şekil 8 Other Cases Continue

```
WELCOME THE 2D PUZZLE GAME!

1. New Game
2. Help
3. Quit
Please enter your choice: 2
Help:
The objective of the game is to move character C to the position of character D in the room.
You can move C using the following keys:
a - move left
d - move right
w - move up
s - move down
You cannot move C outside the boundaries of the room.
```

Şekil 9 Option 2

```
WELCOME THE 2D PUZZLE GAME!

1. New Game
2. Help
3. Quit
Please enter your choice: 2
Help:
The objective of the game is to move character C to the position of character D in the room.
You can move C using the following keys:
a - move left
d - move right
w - move up
s - move down
You cannot move C outside the boundaries of the room.

WELCOME THE 2D PUZZLE GAME!

1. New Game
2. Help
3. Quit
Please enter your choice: 3
Goodbye!
=====
Completed tests...
selenerdogan@selenerdogan-VirtualBox:~/Masaüstü/hw4$
```

Şekil 10 Option 2 and 3 cases