Sample Test Cases

User inputs are shown in blue.

Case 1

Welcome you to the Mysterious Maze!

Do you want to start a new game (S) or load from a saved game (L): S

Input map size row: 5

Input map size column: 5

```
Starting position: Row 2 Column 5

-------------------------
|   ||   ||   ||   ||   |
-------------------------
|   ||   ||   ||   || x |
-------------------------
|   ||   ||   ||   ||   |
-------------------------
|   ||   ||   ||   ||   |
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|   ||   ||   ||   ||   |
-------------------------
Shortest steps from starting point to exit point: 2
Shortest steps from current point to exit point: 2
Total steps walked from the starting point: 0

Which direction do you want to walk towards?
Enter 'U' for upwards, 'D' for downwards, 'L' for leftwards, 'R' for rightwards, 'S' for saving game
```

(starting position and finishing position is randomly assigned, so your output maybe different from the above one)(you can keep input U D L R to move or S to save)

Case 2

Welcome you to the Mysterious Maze!

Do you want to start a new game (S) or load from a saved game (L): S

Input map size row: -1

Please input an integer greater than 1

Input map size row: 5

Input map size column: 0

Please input an integer greater than 1

Input map size column: 5

```
Starting position: Row 2 Column 5

-------------------------
|   ||   ||   ||   ||   |
-------------------------
-------------------------
|   ||   ||   ||   || x |
-------------------------
-------------------------
|   ||   ||   ||   ||   |
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|   ||   ||   ||   ||   |
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|   ||   ||   ||   ||   |
-------------------------
Shortest steps from starting point to exit point: 2
Shortest steps from current point to exit point: 2
Total steps walked from the starting point: 0

Which direction do you want to walk towards?
Enter 'U' for upwards, 'D' for downwards, 'L' for leftwards, 'R' for rightwards, 'S' for saving game
```

Test 3

Welcome you to the Mysterious Maze!

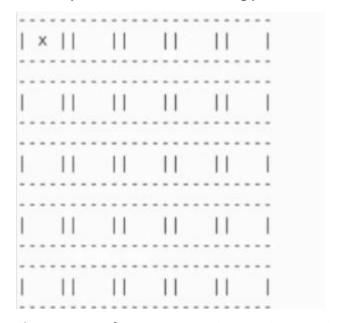Do you want to start a new game (S) or load from a saved game (L): S

Input map size row: 5

Input map size column: 5

Starting position: Row 1 Column 1

Shortest steps from starting point to exit point: 2

Shortest steps from current point to exit point: 2

Total steps walked from the starting point: 0

Shortest steps from starting point to exit point: 2

Shortest steps from current point to exit point: 2

Total steps walked from the starting point: 0

Which direction do you want to walk towards?

Enter 'U' for upwards, 'D' for downwards, 'L' for leftwards, 'R' for rightwards, 'S' for saving game
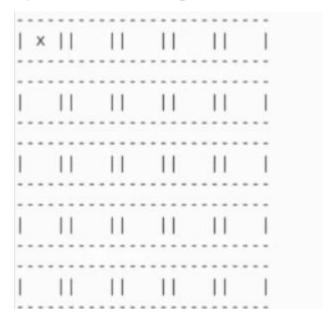
S

Input the file name: saving.txt

Game saved in saving.txt

Test 4

Welcome you to the Mysterious Maze!

Do you want to start a new game (S) or load from a saved game (L): L

Input the file name: saving.txt

Shortest steps from starting point to exit point: 2

Shortest steps from current point to exit point: 2

Total steps walked from the starting point: 0

Which direction do you want to walk towards?

Enter 'U' for upwards, 'D' for downwards, 'L' for leftwards, 'R' for rightwards, 'S' for saving game

Test 5

Welcome you to the Mysterious Maze!
Do you want to start a new game (S) or load from a saved game (L): L
Input the file name: hchdbdc.txt
Error in file opening