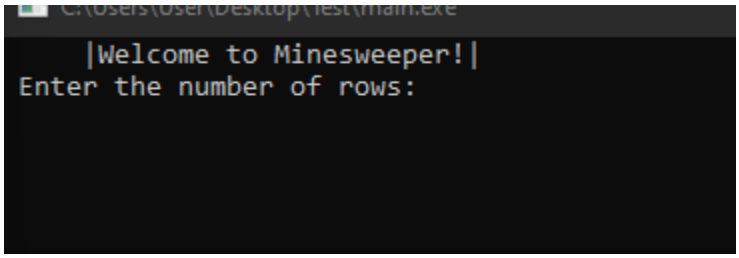
Dear users,

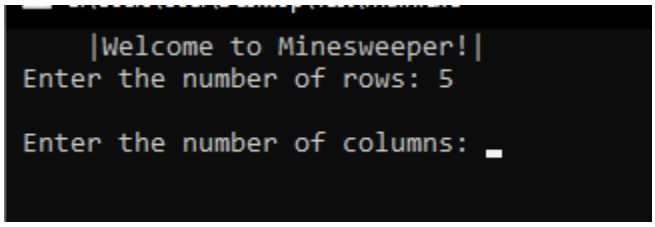
welcome this beautiful game of Minesweeper!

The game features a grid of squares, with hidden "mines" scattered throughout the board. The objective is to clear the board without detonating any mines, with help from clues about the number of neighboring mines in each field.

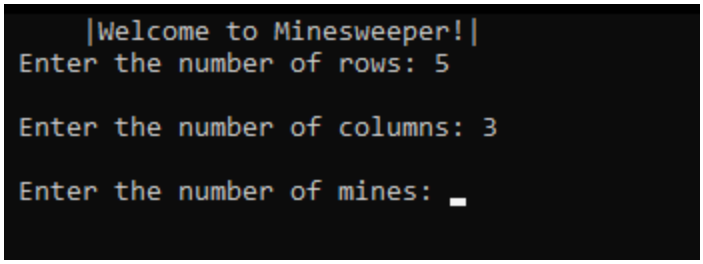
When the user runs the program, the game is going to display the following screen:



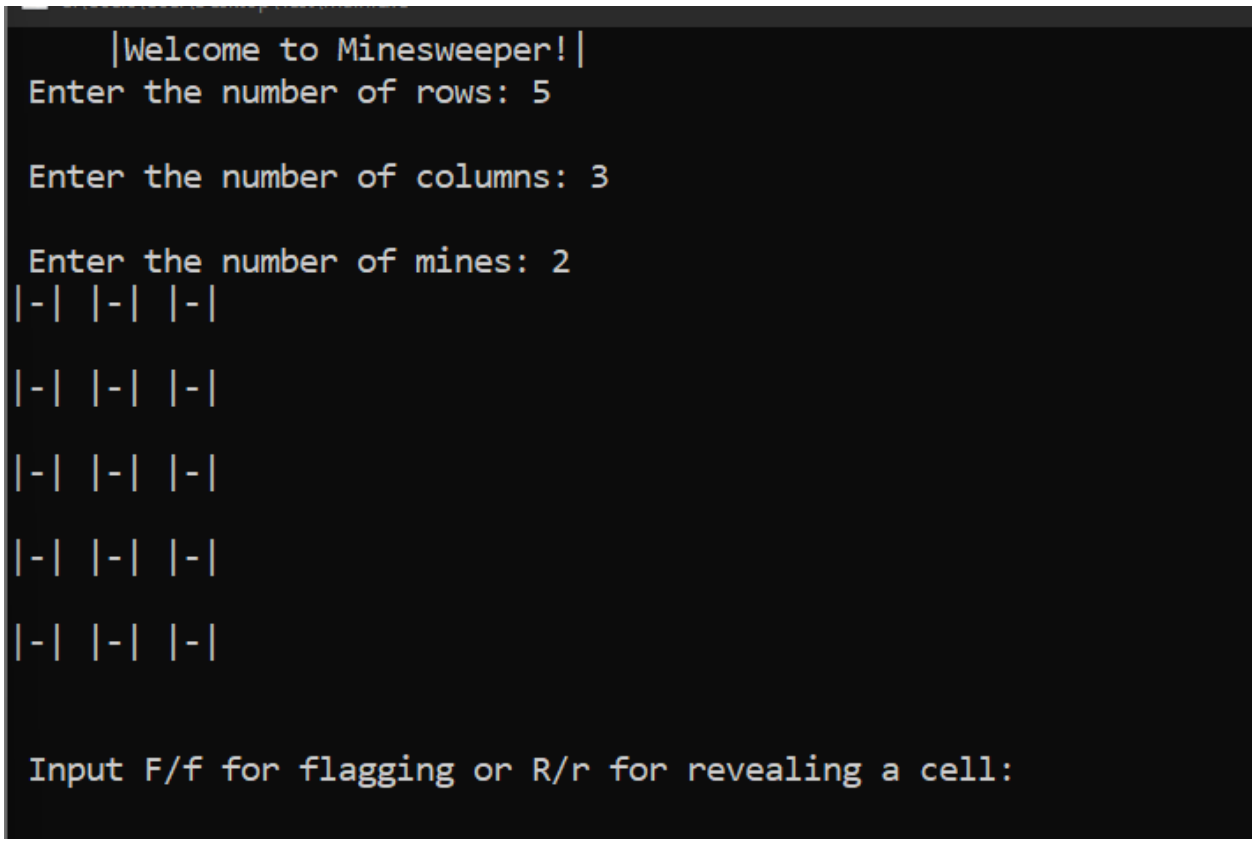
The program will ask the user to enter the number of rows of the grid. After entering the number of rows, the program will display the following screen:



Now, the program is going to ask for the number of columns of the grid. After entering the number of columns, the program will display the following screen:



This time the program is going to ask for the number of mines for the grid. The mines are randomly scattered over the grid. After entering the number of mines, the program will display the whole grid:

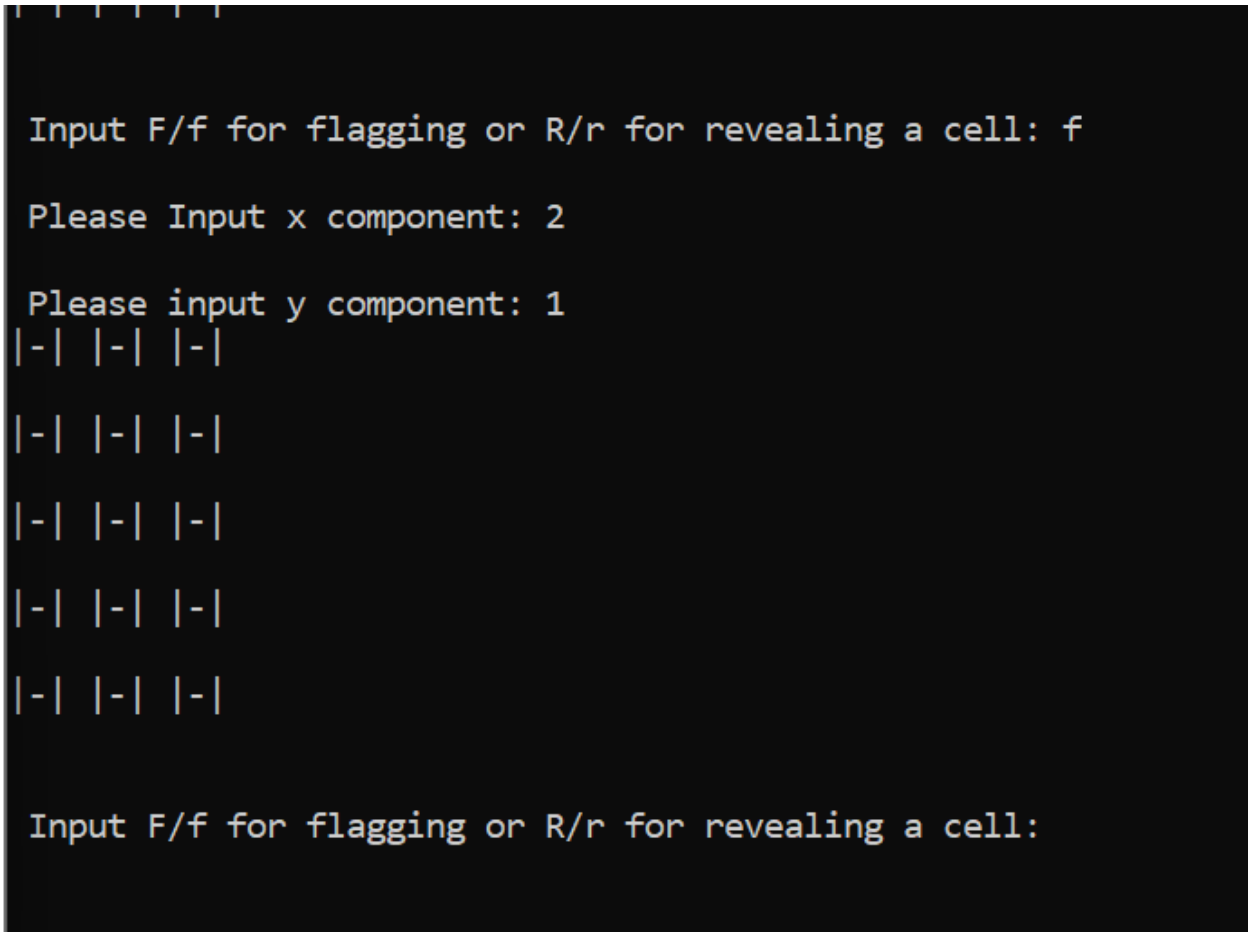


Now the program gives the user 2 choices:

- to flag a square or
- to reveal a square

case 1 - flag:

upon entering f or F, the program asks for the x and y components of the square of the grid.



now, the program has flagged the entered coordinate.

Again, the program asks the user for the choice for flagging or revealing:

case 2 - reveal:

if the user wants to reveal another square, the choose R or r and enter the x and y coordinates of the desired square.

```
 Input F/f for flagging or R/r for revealing a cell: r

 Please Input x component: 1

 Please input y component: 3
|-| |1| |N|

|-| |1| |N|

|-| |2| |1|

|-| |-| |-|

|-| |-| |-|

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 Input F/f for flagging or R/r for revealing a cell:
```

the program reveals the inputted square and all empty squares around it.

This process continues until the user wins or they hit the mine. In this case, the program outputs the whole grid with all the hidden values and exits.

```
 Input F/f for flagging or R/r for revealing a cell: r

 Please Input x component: 2

 Please input y component: 1

BOOM!!!!! GAME OVER

|1| |1| |N|

|*| |1| |N|

|2| |2| |1|

|1| |*| |1|

|1| |1| |1|


 Goodbye!
Process returned 0 (0x0)   execution time : 150.668 s
Press any key to continue.
```