

Week 05

Functions Cont.

Lab 04 - Monty Hall Gameshow

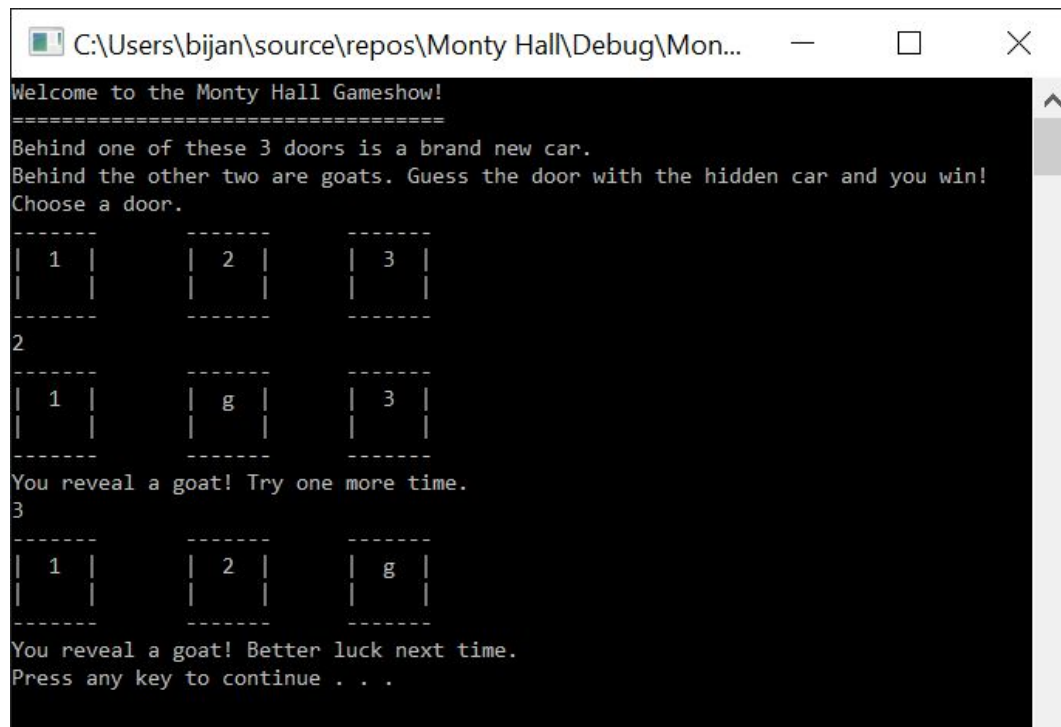
This lab should be performed in a linux environment. Develop a game with 3 doors. The user (contestant) chooses one of the doors. Behind one of the doors is a car. Behind the other two doors are goats. If the contestant gets a goat on their first guess they are allowed to switch their guess to a different door.

Create the `drawDoors` function that is responsible for illustrating the doors and the 'g' or 'c' char inside the door. This function draws the doors when the user guesses correctly or incorrectly. Hint: Think about the parameters required to solve this function.

You may add additional functions if you'd like, but there should only be one `drawDoor` function that works for all cases.

Expected Output Cases:

Lose - Lose - exit



```
C:\Users\bijan\source\repos\Monty Hall\Debug\Mon...
Welcome to the Monty Hall Gameshow!
=====
Behind one of these 3 doors is a brand new car.
Behind the other two are goats. Guess the door with the hidden car and you win!
Choose a door.
-----
| 1 |   | 2 |   | 3 |
|   |   |   |   |   |
-----
2
-----
| 1 |   | g |   | 3 |
|   |   |   |   |   |
-----
You reveal a goat! Try one more time.
3
-----
| 1 |   | 2 |   | g |
|   |   |   |   |   |
-----
You reveal a goat! Better luck next time.
Press any key to continue . . .
```

Win - Exit

```
C:\Users\bijan\source\repos\Monty Hall\Debug\M...
Welcome to the Monty Hall Gameshow!
=====
Behind one of these 3 doors is a brand new car.
Behind the other two are goats. Guess the door with the hidden car and you win!
Choose a door.

| 1 | | 2 | | 3 |
|   | |   | |   |
-----
1
-----
| c | | 2 | | 3 |
|   | |   | |   |
-----
YOU WIN!
Press any key to continue . . .
```

Lose-Win-Exit

```
C:\Users\bijan\source\repos\Monty Hall\Debug\M...
Welcome to the Monty Hall Gameshow!
=====
Behind one of these 3 doors is a brand new car.
Behind the other two are goats. Guess the door with the hidden car and you win!
Choose a door.

| 1 | | 2 | | 3 |
|   | |   | |   |
-----
1
-----
| g | | 2 | | 3 |
|   | |   | |   |
-----
You reveal a goat! Try one more time.
2
-----
| 1 | | c | | 3 |
|   | |   | |   |
-----
YOU WIN!
Press any key to continue . . .
```