Monty Hall Problem

Description:

Here's the description of the Monty Hall Problem: https://en.wikipedia.org/wiki/Monty_Hall_problem

You can write your solution in any language, just please use git and when you start, begin with an "Initial commit" ex:

The goal is to run a simulation of the problem 10,000 times and demonstrate that it is indeed a 2/3 chance of winning by switching your door choice vs a 1/3 chance of winning by keeping your original choice. Put these results in either results.txt or results.jpg depending on if it's text based or a screen shot

Format:

This is a "take home problem" that should take the candidate 45-60 mins to complete.

What we're looking for:

- Does the code run?
- Code design & structure (OOP, functional, etc)
- Good naming practices
- Comments on anything that's confusing
- Reasonable commit size and messages (all the code in one commit isn't great, commit descriptions should be understandable)
- How easily is the code changed? For example, is it easy to adapt the code to 4 doors vs 3? What about adding a consolation prize?
- Are exceptions handled?
- BONUS: If the code comes with tests that is great!