

9/7 Programming team summary

In this week's meeting we split up into groups. One group who had a little bit more programming experience worked to solve the 100 doors problem. With the second group we went over some basic programming structures we will use to solve various problems like if statements, while loops, and nested loops and if statements. I will be putting up a git repo that will contain the problems that we do as well as code answers for those problems so be on the lookout for that.

The 100 doors problem:

There are 100 doors in a row that are all initially closed.

You make 100 passes by the doors.

The first time through, visit every door and *toggle* the door (if the door is closed open it; if it is open, close it).

The second time, only visit every 2nd door (door #2, #4, #6, ...) and toggle it.

The third time, visit every 3rd door (door #3, #6, #9, ...)

Keep doing this until you only visit the 100th door.

Output the open doors after making all the passes

The next thing that was asked for this problem was to find a pattern from the open doors that you outputted and then print the same open doors as previous but only make one pass through the array of doors (no I don't mean hard code the answer)