Program 2 Algorithm

1. Import module to generate random numbers
2. Ask user how many times to run lost luggage
   1. If user inputs number <= 0, warn user, explain error and return to step 2
   2. If user inputs number > 0, go to step 3
3. Once user gives valid input, convert to int
4. Ask user if they want detailed output
   1. Convert their input to all upper/lower case
   2. Consider different versions of answer and code to include them
5. Begin trial 1
6. Generate random whole number
7. Determine what location the suitcase ends up at based on number from step 6
   1. Starts at MCI – 1,2,3,4 = LVS. 5,6,7 = SEA. 8,9,10 = HNL
   2. Starts at LVS – 1,2,3 = MCI. 4,5,6,7,8 = SEA. 9,10 = HNL
   3. Starts at SEA – 1 = MCI. 2,3,4,5,6,7 = LVS. 8,9,10 = HNL
8. If suitcase ends up in HNL, start step 9
9. If suitcase ends up in MCI, LVS, or SEA regenerate random numbers until suitcase ends up at HNL by returning to step 5)
10. Once, suitcase ends up in HNL, Begin next trial (if another is needed) by starting over at step 5
11. End trials
12. Output details (if user said yes previously)
13. Output percentage and fraction that suitcase arrived on time
14. Ask user if they want to run the program again
    1. If yes, start again at step 2
    2. If no, end program