Exercise 10 – 1A2B (Part 2)

Difficulty level: 4 out of 5

Refer to Exercise 9 for instructions on how the 1A2B game works.

For Exercise 10, Player 1 will be the user and Player 2 will be the computer. First, Player 1 (the user) will think of a secret number in their head. Then, Player 2 (the computer) will guess Player 1’s secret number. (For the purposes of this exercise, Player 1 will not guess Player 2’s secret number.) Display the number of guesses Player 2 took to guess the secret number correctly.

Uncle Edward wrote this program many years ago and the worst case scenario is that the computer will take 7 tries to guess Player 1’s secret number. However, on average, the computer will be able to do it with just 5 or 6 tries.