Programming Mathematics

# Lab 05

Save all work to a Lab 05 folder on your shared folder in your dropbox.

1. Pair of in the class and play the game where you try to guess a number between 1 and 100 inclusive, where you are given higher and lower clues.
   * Play the game 10 times each
   * Take note of the number of times you guessed each game to find the answer.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|  |  |  |  |  |  |  |  |  |  |

* + Describe the strategy you use to find your answer.
  + How many guesses are needed to guarantee that you find any number using your strategy?

## Write a program that picks a random number between 1 and 100 and allows you to guess.

1. Write a program that tries to guess a number that you pick.