

Programming Exercises

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Guess My Number

Write a program able to play the "Guess the number"-game, where the number to be guessed is randomly chosen between 1 and 100. This is how it should work when run in a terminal:

```
>>> import guess_number
Hello! What is your name?
Tom
Well, Tom, I am thinking of a number between 1 and 100.
Take a guess.
50
Your guess is too low.
Take a guess.
68
Your guess is too low.
Take a guess.
77
Good job, Tom! You guessed my number in 3 guesses!
```

Guess My Number – Part Deux

Write a program able to play the "Guess the number"-game from the other side. That is to say that you are to select a number between 1 and 100. The computer will then attempt to guess your number based on responses from you as to whether the guess is too high or too low. This is how it should work when run in a terminal:

```
>>> import guess_number_2
Hello! What is your name?
Tom
Well, Tom, think of a number between 1 and 100. Press enter when ready.

My guess is 50. Am I too (H)igh, (L)ow or (C)orrect?
L
My guess is 75. Am I too (H)igh, (L)ow or (C)orrect?
L
My guess is 87. Am I too (H)igh, (L)ow or (C)orrect?
C
See Tom! I knew I would get it. I guessed your number in 3 guesses!
```