

COMP1001 – Problem solving in IT
Due Date: 5:00pm, Friday, 30 September 2016
Assignment 2 (30 marks)
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2. (A simple number guessing game)

Print "Welcome to the number-guessing game."

Initialize 'num' to a random integer between 0 and 100.

Initialize Boolean flag 'first' to True

Loop until break-condition is met:

Print "Please guess a number between 0 and 100, inclusive."

If it is not the first time:

Print "If you want to quit, enter a number outside the range."

Set 'answer' to user input

If it is not the first time:

If 'answer' is larger than 100 or less than 0:

Print "You quit!!"

Break out of the loop.

If 'answer' is less than 'num'

Print "Your guess is too low!"

Else if 'answer' is larger than 'num'

Print "Your guess is too high!"

Else

Print "Your guess is correct!!"

Break out of the loop.

Set 'first' to False