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CMSC 203

**Assignment 2 Design Document**

Print: thanks for playing

**Do** {

**Do** { Gets input of next guess 🡪 Initialize goodGuess = RNG.inputvalidation()

**If** (goodguess = false) { increase bad count by one} }**while**(not equeal to goodGuess);

**If** (next Guess == randNumd) { break}

**Else** **If** (nextGuess less than random number) { Print guess is too low & make lowGuess equal to the max of LowGuess or nextGuess}

**Else** **If** (next guess is greater than random number) { Print guess is too high & make lowGuess equal to the min of highGuess or nextGuess}

Print out: Enter your next guess between low guess and high guess }**While** (next guess is not equal to random number);

Print out: Congratulations you guessed correctly. Try Again? (yes or no). Make check equal to input. Reset highGuess, lowGuess and

RNG.resetCount(); }**While**: check != “no”;

DO{

Print: “You are being asked to guess a random number between 1-100”

Create a random number and assign its value to random number = RNG.rand();

Print: Enter your first guess

Set badcount = 0;

Utilize Scanner

Initialize int variables randNumd,

Initialize String check

nextGuess, highGuess, and lowGuess.

Create new RNG object: RNG number = new RNG();

Initialize int count of bad guesses badguess and Boolean variable for if guess is good goodGuess