**Pseudocode (Assignment 2):**

* Initiate do loop
* Create a new object of type Scanner that reads from the keyboard
* Initialize required variables
* Create a new RNG object
* Call rand() method to generate random number
* Call resetCount to reset the number of guess to 1
* Prompt user to enter first guess number
* Read in the line that the user types
* Initiate a while loop when nextGuess is not equal to randNum
  + - Initiate a while loop when nextGuess is greater than highGuess
      * Initiate do-while loop
        + Print highest number is 100! Try again!
        + Read in the line that the user type
      * While nextGuess is greater than highGuess
    - Initiate an if-statement for if nextGuess is greater than randNum
      * Set highGuess equal to nextGuess
      * Call getCount method to print number of guesses
      * Print your guess is too high
      * Call inputValidation from RNG class to print your next guess must be between lowGuess and highGuess
      * Read in the line that the user types
      * Initiate a while loop when nextGuess is greater than highGuess
        + Initiate a do-while loop

Print guess must be between lowGuess and highGuess

Read in the line that the user types

* + - * + While nextGuess is greater than highGuess
    - Initiate a while loop when nextGuess is lesser than lowGuess
      * Initiate do-while loop
        + Print lowest number is 0! Try again!
        + Read in the line that the user type
      * While nextGuess is lesser than lowGuess
    - Initiate and If-statement for if nextGuess is lesser than randNum
      * Set lowGuess equal to nextGuess
      * Call getCount method to print number of guesses
      * Print your guess is too low
      * Call inputValidation from RNG class to print your next guess must be between lowGuess and highGuess
      * Read in the line that the user types again
      * Initiate a while loop when nextGuess is lesser than lowGuess
        + Initiate a do-while loop

Print guess must be between lowGuess and highGuess

Read in the line that the user types

* + - * + While nextGuess is lesser than lowGuess
  + Initiate an if-statement for if nextGuess is equal to randNum
    - Print Congratulations, you guessed correctly
    - Print try again (type 1 for yes or 0 for no)
    - Read in the line that the user type
    - Initiate nested if-statement for if res is greater than 1 or lesser than 0
      * Initiate a do-while loop
      * Print Response must be 1 or 0
      * Read in the line that the user type
      * While res is lesser than 0 or greater 1
    - Initiate another nested if-statement for if res is equal to 0
      * Print Thanks for playing
      * Print programmer’s name
      * Call exit method to end
* While res is equal to 1
  + Call main method to restart the program.