```
package RandNumberGuess;

import java.util.Scanner;;


/**
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 * MET CS 342 - Data Structures
 * Homework #1
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 *
 */



public class Console {

    public static void main(String[] args) {

        //Instantiate the class, and the random number is generated
        RandGenerator rand = new RandGenerator();
        ValidateInput validCheck = new ValidateInput();



System.out.println("*****************************************"
                + "\n*  Welcome to the Number Guessing Game  *"
                + "\n*****************************************");


        boolean match = false;  //one true, you will exit the do-
while loop
        int count = 0;      //Keeps track of the number of guesses


        do{

            System.out.print("\n\nPick a number between " +
rand.getLow()
                    + " and " + rand.getHigh() + ": ");
```

```
            //get input from the keyboard
            Scanner keyboard = new Scanner(System.in);
            String guessString = keyboard.nextLine();
            int guess = validCheck.intInput(guessString);


            //invalid input is not considered a guess
            if(guess == -1){
                continue;
            }

            count++;   //increments number of guesses the user makes


            match = rand.compare(guess);  //determines if the user's
guess is correct



            //If the number is a match, the program will print the
number of
            //attempts and then exit
            if(match == true){
                System.out.println("\n*************************\n"
                        + "* Your guess is correct *\n"
                        + "*************************");

                //determines if plural or singular form of 'turn' is
needed
                if(count == 1){
                    System.out.println("It took " + count + " turn
\nGoodbye");
                    System.exit(0);
                }
                else {
                    System.out.println("It took " + count + " turns
\nGoodbye");
                    System.exit(0);
                }

            }
```

```
        } while(match == false);
    }

}
```