**Console Lab**

Create a new project named console\_lab with a new class named ConsoleLab. Your main method should call each method you write below.

Make sure you use comments and correct java conventions.

**1.**

1. Write a method that reads in an integer from the Console and prints that integer (no loop).
2. Edit your code from #1 to determine if the number is odd or even and then prints out “odd” or “even” instead of the value of the integer using an if/else statement (no loop).
3. Now edit this code to use a while loop to keep asking for a number until the input number is 0.

**Note:** you need to close the console when you are finished. Also, if a user doesn’t input an even number, print to the console to insert another number otherwise the console just looks empty.

**2.**

1. Write a method that reads in a String from the Console and prints that String.
2. Edit your code to determine the length of the String and prints out the String and the length of the String.
3. Edit your code to use a while loop to keep asking for a String until the length of the String is equal to 10.

**3.**

1. Write a method that reads in an integer (1 to 5) from the Console.
2. Using the random method, find a number between 1 and 5.
3. If the random number matches the number inputted, print “Good guess!”, otherwise continue to ask the user for a number until the user finally guesses the number correctly.

Here is some sample code:

Scanner console = new Scanner (System.in);

int number;

System.out.print (“Input a number: “);

number = console.nextInt();

while (????) {

System.out.println (“You inputted “ + number);

number = console.nextInt();

}

console.close();