

CMSC131, Spring 2023, QUIZ #1 (DURATION: 20 MINUTES) – 30 pts

FIRSTNAME, LASTNAME (PRINT IN UPPERCASE):

STUDENT ID (e.g. 123456789):

INSTRUCTIONS:

1. If I write the code for my project and my friend copies the code, my friend will be held responsible for violating academic honesty rules. But **not me**, since I wrote the code. True or False? **False**
2. What is 33 in hexadecimal? **21**
3. Write a program that will prompt for the secret word (which is *Terps*). If the user puts in *Terps*, output **Correct**. Otherwise, let the user know if the word they entered has **Less** characters than the secret word, the **Same** amount, or **More** characters. Use the `nextLine()` method to read the input and you can assume the user will type in an actual word for the input. The program should be case sensitive (i.e. *Terps* is not *terps*) and remember to not use `==` to check if they entered *Terps* (you should know what to do instead, so don't ask the TA ☹).

You can use the `String` method `length` to get the number of characters in a word. For example, the following code would output 5 since *hello* has 5 characters in it.

```
String s = "hello";  
System.out.print(s.length());
```

Here are 4 different sample runs (with user input in *italic* and output in **bold** just to make it easier to understand how it works).

Enter the secret word: <i>Terps</i> Correct	Enter the secret word: <i>table</i> Same
Enter the secret word: <i>hi</i> Less	Enter the secret word: <i>Penguin</i> More

```
import java.util.Scanner;  
public class Q1 {  
    public static void main(String[] args) {  
  
        Scanner scanner = new Scanner(System.in);  
  
        System.out.print("Enter the secret word: ");  
  
        String word= scanner.nextLine();  
  
        if (word.equals("Terps"))  
            System.out.print("Correct");  
        else if (word.length() < 5)  
            System.out.print("Less");  
        else if (word.length() == 5)  
            System.out.print("Same");  
        else  
            System.out.print("More");  
  
    }  
}
```

