

CPS 210 Lab 13

PROBLEMS:

1. Write a method to check if a String is a palindrome or not. Use Scanner to ask the user for a String and call your method.
 - **HINT:** You'll need two variables to go through your String to compare the characters — one for the beginning of your String, another for the ending of your String. Due to this, you'll only need to go halfway through your String when looping. Below are two sample runs:

```
Give me a String: apple
apple is a palindrome: false
```

```
Give me a String: hannah
hannah is a palindrome: true
```

2. Write a method to return a new String where every other letter is capitalized.
 - **NOTE:** You should only count letters when doing every other.
 - **Ex.** Given "h3e5l!@po46" the result should be "H3e5L!@pO46"
 - **Ex.** Given "abcdef" the result should be "AbCdEf"
3. Write a method that will remove any numbers and/or symbols from a string. Below is a sample run:

```
Give me a String: Bo34@b!b0y!
Bobby
```

4. Write a method that will check if a SSN given as a string is valid. A SSN should be in the format: XXX-XX-XXXX where each X is a digit.
5. Write a program gets 3 integers from a user via command line arguments. Find the sum of the 3 numbers. Use PrintWriter to print the output to a file.