

Strings Challenge Sheet (Day 4)

1.
 - a. Write a method that returns `true` if a given string is not empty and ends with a star(`'*'`), `false` otherwise
 - b. Write a method that returns `true` if a given string has at least two characters and ends with two stars, `false` otherwise.
2. Write a method that eliminates dashes from a phone number and returns a 10-character string of digits. For example, `removeDashes("703-343-3810")` returns a string equal to `"7033433810"`.
3. Write a `scroll` method that takes a string as a parameter moves the first character to the end of the string, and returns the new string.
4. Write a method `convertName` that takes a string holding a person's last name and first name separated by a comma and returns a string where the first name is placed first followed by one space and then the last name. For example:

```
String firstLast = convertName("von Neumann, John");  
//firstLast is now "John von Neumann"
```

Hint: `trim` helps get rid of extra white space

5. A string contains only `'0'` and `'1'` characters and spaces. Write a method that takes such a string and makes and returns a string in which all the 0s are replaced with 1s and all the 1s with 0s. You should not use a loop.
6. Write a method that determines whether all the characters in a string are the same. You should not use a loop. Hint: You could use the method `scroll` you wrote.

7. Write a method `cutOut` that removes the first occurrence of a given substring (if found) from a given string. For example:

```
String str = "Hi-ho, hi-ho";  
String result = cutOut(str, "-ho");  
//result is set to "Hi, hi-ho"
```

Strings Answer Sheet (Day 4)

1. Test in Java (Java Methods Book)
2. Test in Java (Java Methods Book)
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6. Test in Java (Java Methods Book)
7. Test in Java (Java Methods Book)