

## 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)
3. Test in Java (Java Methods Book)
4. Test in Java (Java Methods Book)
5. Test in Java (Java Methods Book)
6. Test in Java (Java Methods Book)
7. Test in Java (Java Methods Book)