Lab 4 - August 28
Topic - Strings, Arrays, Java Basics

PRACTICE PROBLEMS

1. getUniqueNumbers -
   You are given a string containing a list of numbers separated by commas (e.g., "5,3,9,3,5,2"). Write a Java method getUniqueNumbers that performs the following tasks:
   - Split the string into individual number strings.
   - Convert these number strings to integers.
   - Extract unique integers from this list. An integer is considered unique if it appears only once in the list.
   - After extracting unique integers, ensure that the final array holding these unique integers is of the correct length. The length should be equal to the number of unique integers.

2. isPalindrome -
   Given a string word, the function returns true/false based on whether the word is a palindrome.

Use the provided main method for the above two questions to check whether the outputs are correct or incorrect. You are encouraged to test your code over more test cases.

Furthermore, here are some more problems on strings and arrays. Solve them in Java to be more comfortable for the upcoming labs.

1. https://leetcode.com/problems/check-if-array-is-sorted-and-rotated/description/
2. https://leetcode.com/problems/longest-common-prefix/description/
3. https://leetcode.com/problems/maximum-nesting-depth-of-the-parentheses/description/
4. https://leetcode.com/problems/remove-duplicates-from-sorted-array/description/