String Basics - 10 Questions with Test Cases

1. Write a Java method to reverse a given string.

Test Case: reverseString("Hello") -> "olleH"

1. Write a Java method to check if a given string is a .

Test Case: isPalindrome("madam") -> true

1. Write a Java method to find the length of a string without using the `length()` method.

Test Case: findLength("Hello World") -> 11

1. Write a Java method to count the number of vowels in a given string.

Test Case: countVowels("Hello World") -> 3

1. Write a Java method to replace all occurrences of a given character in a string with another character.

Test Case: replaceChar("Hello", 'l', 'p') -> "Heppo"

1. Write a Java method to convert the first letter of each word in a string to uppercase.

Test Case: capitalizeWords("hello world") -> "Hello World"

1. Write a Java method to find the first non-repeated character in a string.

Test Case: firstNonRepeatedChar("swiss") -> 'w'

1. Write a Java method to remove all white spaces from a given string.

Test Case: removeSpaces("Hello World") -> "HelloWorld"

1. Write a Java method to check if two strings are anagrams.

Test Case: areAnagrams("listen", "silent") -> true

1. Write a Java method to count the occurrence of a specific character in a string.

Test Case: countCharOccurrences("banana", 'a') -> 3