
String Manipulation

Exercises

1- Find the number of vowels in a string. Vowels in English are A, E, O, U and I.

Input: "hello"

Output: 2

2- Reverse a string.

Input: "hello"

Output: "olleh"

3- Reverse the order of words in a sentence.

Input: "Trees are beautiful"

Output: "beautiful are Trees"

4- Check if a string is a rotation of another string.

Input: "ABCD", "DABC" (rotate one char to the right)

Output: true

Input: "ABCD", "CDAB" (rotate two chars to the right)

Output: true

Input: "ABCD", "ADBC"

Output: false

5- Remove duplicate characters in a string.

Input: "Helloo!!"

Output: "Helo!"

6- Find the most repeated character in a string.

Input: "Helloo!!"

Output: 'o'

7- Capitalize the first letter of each word in a sentence. Also, remove any extra spaces between words.

Input: "trees are beautiful"

Output: "Trees Are Beautiful"

Input: " trees are beautiful "

Output: "Trees Are Beautiful"

8- Detect if two strings are anagram of each other. A string is an anagram of another string if it has the exact same characters in any order.

Input: "abcd", "adbc"

Output: true

Input: "abcd", "cadb"

Input: true

Input: "abcd", "abcd"

Output: true

Input: "abcd", "abce"

Output: false

9- Check if a string is palindrome. If we read a palindrome string from left or right, we get the exact same characters.

Input: "abba"

Output: true

Input: "abcba"

Output: true

Input: "abca"

Output: false