Home Assignment: String

Learning Objective:

Learn how to manipulate strings and use looping statements in a programming language to solve practical problems.

Expected Completion Time:

Best Case: 10 minutes

Average Case: 5 minutes

Assignment Details:

Given a string s consisting of words and spaces, return the length of the last word in the string.

Example 1:

Input: s = "Hello World"

Output: 5

Explanation: The last word is "World" with length 5.

Example 2:

Input: s = "   fly me   to   the moon "

Output: 4

Explanation: The last word is "moon" with length 4.

Example 3:

Write a function to check if two strings are anagrams.

 Input: isAnagram('listen', 'silent')

 Output: true

 Input: isAnagram('hello', 'world')

 Output: false

 Explanation: An anagram is when you mix up the letters of a word to make a new one, using all the letters.

Assignment Requirements:

Example:1

1. Split the string into an array of words.
2. Find the last word in the array.
3. Calculate the length of this word.

Example:2

1. Trim the String
2. Split the String into Words
3. Identify the Last Word
4. Calculate the Length of the Last Word
5. Return the length

Example:3

1. Remove spaces and convert all letters to the same case
2. Sort the Characters
3. Compare Sorted Strings
4. Return the Result

Expected Outcome:

Upon completion, you should be able to:

- Understand how to split strings into arrays of words and how to work with these arrays