Hands-on No. : **5**

Topic : **Strings**

Date : **07-05-2024**

Solve the following problems

Question No.	Question Detail	Level
1	The web is built with HTML strings like "Yay" which draws Yay as italic text. In this example, the "i" tag makes and which surround the word "Yay". Given tag and word strings, create the HTML string with tags around the word. SampleInput: i Yay Sample Output: Yay Sample Input: i Hello Sample Output: Hello Sample Input: cite Yay Sample Output: "<cite>Yay</cite>	Easy
2	Given a string, return a new string made of 3 copies of the last 2 chars of the original string. The string length will be at least 2. Sample Input: Hello Sample Output: lololo Sample Input: Java Sample Output: vavava Sample Input: I Sample Output: String Length should be atleast Two	Easy
3	Given a string, return true if it ends in "ly". Sample Input: oddly Sample Output: true Sample Intput: y Sample Output: false Sample Intput: oddy Sample Output: false	Easy

4	Given a string, return true if "bad" appears starting at index 0 or 1 in the string, such as with "badxxx" or "xbadxx" but not "xxbadxx". The string may be any length, including 0.	Easy
5	Given two strings, append them together (known as "concatenation") and return the result. However, if the concatenation creates a double-char, then omit one of the chars, so "abc" and "cat" yields "abcat". SampleInput: abc cat SampleOutput: abcat SampleInput: dog cat SampleOutput: dogcat SampleInput: abc SampleOutput: abc	Easy
6	Write a program to encrypt the text "INDIA" to "KPFKC" and decrypt "KPFKC" to get the original string "INDIA".	Easy
7	Write a Java program to accept a string from the user. Replace all vowels ('a', 'e', 'I', 'o', 'u') with 'z'. If there are no vowels in the string just print the original word with the message "No vowels present".	Easy
8	Write a java program that takes as input a string as a Sentence and return its second word in uppercase. Note : if the input string(sentence) with less than 2 words, the code should print the word "LESS" Sample Input: MontBleu Technologies Bangalore Sample Output: TECHNOLOGIES Sample Input: World Cup Sample Output: CUP Sample Input: Championship 2017 League Sample Output: 2017 Sample Input: Hello	Easy

<table>
<tr><td></td><td>Sample Output
LESS</td><td></td></tr>
<tr><td>9</td><td>Given two strings a and b. Write a Java function isAnagram () to check whether the two strings are anagrams or not.
Note: An anagram of a string is another string that contains the same characters, only the order of characters can be different.
For example: Listen and Silent are anagrams
<table>
<tr><th>Character</th><th>Frequency: Listen</th><th>Frequency: Silent</th></tr>
<tr><td>L or l</td><td>1</td><td>1</td></tr>
<tr><td>I or i</td><td>1</td><td>1</td></tr>
<tr><td>S or s</td><td>1</td><td>1</td></tr>
<tr><td>T or t</td><td>1</td><td>1</td></tr>
<tr><td>E or e</td><td>1</td><td>1</td></tr>
<tr><td>N or n</td><td>1</td><td>1</td></tr>
</table></td><td>Easy</td></tr>
<tr><td>10</td><td>Write a Java Code to search a text and count the occurrence of the search text in the given sentence.</td><td>Easy</td></tr>
<tr><td>11</td><td>Write a Java function that takes a sentence and a string as input and checks if the string is present. If it is, convert lowercase letters to uppercase and uppercase letters to lowercase, and return the converted string.</td><td>Easy</td></tr>
<tr><td>12</td><td>Given a string, the task is to reverse the order of the words in the given string.</td><td>Easy</td></tr>
<tr><td>13</td><td>Given a list of words followed by two words, the task is to find the minimum distance between the given two words in the list of words.
SampleInput:
S = {“the”, “quick”, “brown”, “fox”, “quick”},
word1 = “the”, word2 = “fox”
SampleOutput: Minimum distance between the words “the” and “fox” is 3</td><td>Easy</td></tr>
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