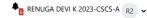
REC-CIS



CS23333-Object Oriented Programming Using Java-2023

Dashboard / My courses / CS23333-OOPUJ-2023 / Lab-12-Introduction to I/O, I/O Operations, Object Serialization / Lab-12-Logic Building

Quiz navigation



Show one page at a time Finish review Started Saturday, 16 November 2024, 9:59 PM

Completed Saturday, 16 November 2024, 10:33 PM

Duration 34 mins 16 secs

Question **1**Correct
Marked out of 5.00

From Flag question

You are provided with a string which has a sequence of 1's and 0's.

This sequence is the encoded version of a English word. You are supposed write a program to decode the provided string and find the original word.

Each alphabet is represented by a sequence of 0s.

This is as mentioned below:

Z:0

Y:00

X:000

W:0000

V:00000

U:000000

T:0000000

The sequence of 0's in the encoded form are separated by a single 1 which helps to distinguish between 2 letters.

Example 1:

input1: 010010001

The decoded string (original word) will be: ZYX

Example 2:

The decoded string (original word) will be: WIPRO

Note: The decoded string must always be in UPPER case.

For example:

Input	Result
010010001	ZYX
000010000000000000000000000000000000000	

Answer: (penalty regime: 0 %)

		Input	Expected	Got	
		010010001	ZYX	ZYX	
		000010000000000000000001000000001000000	WIPRO	WIPRO	
F	Passed all tests!				

Question 2
Correct
Marked out of 5.00
Free Flag question

Write a function that takes an input String (sentence) and generates a new String (modified sentence) by reversing the words in the original String, maintaining the words position.

In addition, the function should be able to control the reversing of the case (upper or lowercase) based on a case_option parameter, as follows:

If case_option = 0, normal reversal of words i.e., if the original sentence is "Wipro TechNologies BangaLore", the new reversed sentence should be "orpiW seigoloNhceT eroLagnaB".

If case_option = 1, reversal of words with retaining position's case i.e., if the original sentence is "Wipro TechNologies BangaLore", the new reversed sentence should be "Orpiw SeigOlonhcet ErolaGnab".

Note that positions 1, 7, 11, 20 and 25 in the original string are uppercase W, T, N, B and L.

Similarly, positions 1, 7, 11, 20 and 25 in the new string are uppercase O, S, O, E and G.

NOTE:

1. Only space character should be treated as the word separator i.e., "Hello World" should be treated as two separate words, "Hello" and "World". However, "Hello,World", "Hello-World" or "Hello/World" should be considered as a single word.

2. Non-alphabetic characters in the String should not be subjected to case changes. For example, if case option = 1 and the original sentence is "Wipro TechNologies, Bangalore" the new reversed sentence should be "Orpiw, seiGolonhceT Erolagnab". Note that comma has been treated as part of the word "Technologies," and when comma had to take the position of uppercase T it remained as a comma and uppercase T took the position of comma. However, the words "Wipro and Bangalore" have changed to "Orpiw" and "Erolagnab".

3. Kindly ensure that no extra (additional) space characters are embedded within the resultant reversed String.

S. No.	input1	input2	output
1	Wipro Technologies Bangalore	0	orpiW seigolonhceT erolagnaB
2	Wipro Technologies, Bangalore	0	orpiW ,seigolonhceT erolagnaB
3	Wipro Technologies Bangalore	1	Orpiw Seigolonhcet Erolagnab
4	Wipro Technologies, Bangalore	1	Orpiw ,seigolonhceT Erolagnab

For example:

Input	Result
Wipro Technologies Bangalore 0	orpiW seigolonhceT erolagnaB
Wipro Technologies, Bangalore 0	orpiW ,seigolonhceT erolagnaB
Wipro Technologies Bangalore 1	Orpiw Seigolonhcet Erolagnab
Wipro Technologies, Bangalore 1	Orpiw ,seigolonhceT Erolagnab

Answer: (penalty regime: 0 %)

```
10
                             r.reverse();
                             r.append(lastChar);
12
13
14
15
16
17
18
19
20
21
                        22
23
24
25
26
27 ,
28
29
30
31
32
33
34
35 }
                       revString.append(r).append(" ");
                  return revString.toString().trim();
           }
public static void main(String[] args) {
    Scanner sc = new Scanner(System.in);
    String strGiven = sc.nextLine();
    int caseOption = sc.nextInt();
    String result = rev(strGiven, caseOption);
    System.out.println(result);
    sc.less();
                  sc.close();
```

Input	Expected	Got
Wipro Technologies Bangalore 0	orpiW seigolonhceT erolagnaB	orpiW seigolonhceT erolagnaB
Wipro Technologies, Bangalore 0	orpiW ,seigolonhceT erolagnaB	orpiW ,seigolonhceT erolagnaB
Wipro Technologies Bangalore 1	Orpiw Seigolonhcet Erolagnab	Orpiw Seigolonhcet Erolagnab
Wipro Technologies, Bangalore 1	Orpiw ,seigolonhceT Erolagnab	Orpiw ,seigolonhceT Erolagnab

Passed all tests!

Question 3 Correct Marked out of ▼ Flag question

Given two char arrays input1[] and input2[] containing only lower case alphabets, extracts the alphabets which are present in both arrays (common alphabets). Get the ASCII values of all the extracted alphabets.

Calculate sum of those ASCII values. Lets call it sum1 and calculate single digit sum of sum1, i.e., keep adding the digits of sum1 until you arrive at a single digit. Return that single digit as output.

Note:

- 1. Array size ranges from 1 to 10.
- 2. All the array elements are lower case alphabets.
- 3. Atleast one common alphabet will be found in the arrays.

Example 1:

input1: {'a', 'b', 'c'}

input2: {'b', 'c'}

output: 8

'b' and 'c' are present in both the arrays.

ASCII value of 'b' is 98 and 'c' is 99.

98 + 99 = 197

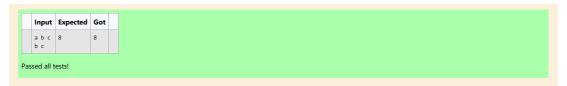
1 + 9 + 7 = 17 1 + 7 = 8

For example:

Input	Result
a b c	8
b c	

Answer: (penalty regime: 0 %)

1 - public class CommonCharSum {



‡

Finish review

■ Lab-12-MCQ

Jump to...

Identify possible words -