

Book_28_Apr_2024[1].pdfInbox (1,417) - 220301107UNIT IV- Correlation andUNIT III- Random ProcessWeek5_Coding: Attempt 1sushmitha011/sushmitha:rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=107348&cmid=100

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```

REC-PS

```
5 while left < right:
6     if s_list[left].isalpha() and s_list[right].isalpha():
7         s_list[left], s_list[right] = s_list[right], s_list[left]
8         left += 1
9         right -= 1
10    elif not s_list[left].isalpha():
11        left += 1
12    elif not s_list[right].isalpha():
13        right -= 1
14 result = ''.join(s_list)
15 print(result)
```

Input	Expected	Got
A&B	B&A	B&A

Passed all tests! ✓

Correct
Marks for this submission: 1.00/1.00.

Question 10
Correct

In this exercise, you will create a program that reads words from the user until the user enters a blank line. After the user enters a blank line your program should display each word entered by the user exactly once. The words should be displayed in the same order that they were first entered.

REC-PS

Question 9
Correct
Mark 1.00 out of 1.00
[Flag question](#)

Reverse a string without affecting special characters
Given a string **S**, containing special characters and all the alphabets, reverse the string without affecting the positions of the special characters.

Input:
A&B

Output:
B&A

Explanation: As we ignore '&' and
As we ignore '&' and then reverse, so answer is "B&A".

For example:

Input	Result
A&x#B	x&A#B

Answer: (penalty regime: 0 %)

```
1 s = input().strip()
2 s_list = list(s)
3 left = 0
4 right = len(s_list) - 1
5 while left < right:
6     if s_list[left].isalpha() and s_list[right].isalpha():
7         s_list[left], s_list[right] = s_list[right], s_list[left]
8         left += 1
9         right -= 1
10    elif not s_list[left].isalpha():
11        left += 1
12    elif not s_list[right].isalpha():
13        right -= 1
14 result = ''.join(s_list)
```

REC-PS

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Answer: (penalty regime: 0 %)

```
1 sentence = input().strip()
2 words = sentence.split()
3 if len(words) >= 2:
4     result = words[1].upper()
5 else:
6     result = "LESS"
7 print(result)
```

Input	Expected	Got	
✓ Wipro Technologies Bangalore	TECHNOLOGIES	TECHNOLOGIES	✓
✓ Hello World	WORLD	WORLD	✓
✓ Hello	LESS	LESS	✓

REC-PS

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S2

Question 8

Correct

Mark 1.00 out of 1.00

Flag question

Write a program that takes as input a string (sentence), and returns its second word in uppercase.

For example:

If input is "Wipro Technologies Bangalore" the function should return "TECHNOLOGIES"

If input is "Hello World" the function should return "WORLD"

If input is "Hello" the program should return "LESS"

NOTE 1: If input is a sentence with less than 2 words, the program should return the word "LESS".

NOTE 2: The result should have no leading or trailing spaces.

For example:

Input	Result
Wipro Technologies Bangalore	TECHNOLOGIES
Hello World	WORLD

	Input	Expected	Got	
✓	Malayalam is my mother tongue	is my mother tongue	is my mother tongue	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

REC-PS

Question 7
Correct
Mark 1.00 out of 1.00
Flag question

String should contain only the words are not palindrome.

Sample Input 1
Malayalam is my mother tongue

Sample Output 1
is my mother tongue

Answer: (penalty regime: 0 %)

```
1 def remove_palindromes(sentence):
2     return [word for word in sentence.lower().split() if word != word[::-1]]
3 sentence = input()
4 print("remove_palindromes(sentence))
```

REC-PS

Answer: (penalty regime: 0 %)

```
1 a=input("")
2 if not 1<len(a)<=100:
3     exit()
4 parts=a.split('@')
5 if len(parts)!=2:
6     exit()
7 username=parts[0]
8 domainpart=parts[1].split('.')
9 if len(domainpart)<2:
10    exit()
11 domain=domainpart[0]
12 extension='.'.join(domainpart[1:])
13 print(extension)
14 print(domain)
15 print(username)
```

	Input	Expected	Got	
✓	abcd@gmail.com	com gmail abcd	com gmail abcd	✓
✓	arvijayakumar@rajalakshmi.edu.in	edu.in rajalakshmi	edu.in rajalakshmi	✓

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REC-PS

Marks for this submission: 1.00/1.00.

Question 6
Correct
Mark 1.00 out of 1.00
Flag question

Given a string S which is of the format USERNAME@DOMAIN.EXTENSION, the program must print the EXTENSION, DOMAIN, USERNAME in the reverse order.

Input Format:
The first line contains S.

Output Format:
The first line contains EXTENSION.
The second line contains DOMAIN.
The third line contains USERNAME.

Boundary Condition:
1 <= Length of S <= 100

Example Input/Output 1:
Input:
abcd@gmail.com
Output:
com
gmail
abcd

For example:

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REC-PS

SUSHMITHA SREE S 2022-BIOMED-B S2

xpri

Answer: (penalty regime: 0 %)

```
1 s1 = input()
2 s2 = input()
3 s2_set = set(s2)
4 result = ''.join(char for char in s1 if char not in s2_set)
5
6 print(result)
```

Input	Expected	Got
✓ experience enc	xpri	xpri ✓

Passed all tests! ✓

30°

Search

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Windows taskbar showing the Start button, Search bar, and various application icons (File Explorer, Edge, etc.). The system tray on the right displays the date and time as 20:51 on 19-06-2024.

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REC-PS

Answer: (penalty regime: 0 %)

```
1 S1 = input().strip()
2 S2 = input().strip()
3 N = int(input())
4
5 common_chars = []
6 for char in S1:
7     if char in S2 and char not in common_chars:
8         common_chars.append(char)
9         if len(common_chars) == N:
10             break
11 print(''.join(common_chars))
12
```

	Input	Expected	Got
✓	abcdbde cdefghbb 3	bcd	bcd

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REC-PS

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Two string values S1, S2 are passed as the input. The program must print first N characters present in S1 which are also present in S2.

Input Format:

The first line contains S1.
The second line contains S2.
The third line contains N.

Output Format:

The first line contains the N characters present in S1 which are also present in S2.

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Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Write a python program to count all letters, digits, and special symbols respectively from a given string

For example:

Input	Result
rec@123	3
	3
	1

Answer: (penalty regime: 0 %)

```
1 input_str = input()
2
3 letters = sum(1 for char in input_str if char.isalpha())
4 digits = sum(1 for char in input_str if char.isdigit())
5 specials = sum(1 for char in input_str if not char.isalnum())
6
7 print(letters)
8 print(digits)
9 print(specials)
10
```

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SUSHMITHA SREE S 2022-BIOMED-B S2

Answer: (penalty regime: 0 %)

```

1 | def are_strings_balanced(s1, s2):
2 |     set_s1 = set(s1)
3 |     set_s2 = set(s2)
4 |     return set_s1.issubset(set_s2)
5 | s1 = input()
6 | s2 = input()
7 |
8 | if are_strings_balanced(s1, s2):
9 |     print("True")
10 | else:
11 |     print("False")
12 |
13 |

```

	Input	Expected	Got	
✓	Yn PYnative	True	True	✓
✓	Ynf PYnative	False	False	✓

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UNIT IV- Correlation and S

Unit III- Random Process

Week5_Coding: Attempt

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GE19211 / GE23233 / GE23231 - PSPP/PUP

Dashboard / My courses / PSPP/PUP / Experiments based on Strings and its operations. / Week5_Coding

Quiz navigation

1

2

3

4

5

6

7

8

9

10

Show one page at a time

Finish review

Started on

Saturday, 4 May 2024, 10:28 AM

State

Finished

Completed on

Wednesday, 15 May 2024, 5:52 AM

Time taken

10 days 19 hours

Overdue

8 days 19 hours

Marks

10.00/10.00

Grade

100.00 out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Write a program to check if two strings are balanced. For example, strings s1 and s2 are balanced if all the characters in the s1 are present in s2. The character's position doesn't matter. If balanced display as "true", otherwise "false".

For example:

Input	Result
Yn	True
PYnative	

Answer: (penalty regime: 0 %)

1 | def are_strins_balanced(s1, s2):

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