

Rajalakshmi Engineering College

PYTHON MOODLE CODES: WEEK 5 [CS23231]

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231501097

AIML-B

First year

Week5_Coding_Attempt review

118.185.187.137/moodle/mod/quiz/review.php?attempt=96901&cmid=1067#question-97287-1

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Show one page at a time
Finish review

Question 1
Correct
Mark 1.00 out of 1.00
Flag question

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. For example, if the user enters:

```

first
second
first
third
second

```

then your program should display:

```

first
second
third

```

Answer: (penalty regime: 0 %)

```

1 p=[]
2 while(True):
3     try:
4         a=input()
5         if a not in p:
6             print(a)
7             p.append(a)
8     except EOFError:
9         break

```

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Input	Expected	Got	
first	first	first	✓
second	second	second	✓
first	third	third	
third			
second			
rec	rec	rec	✓
cse	cse	cse	
it	it	it	
rec			
cse			

Passed all tests! ✓

Correct
Marks for this submission: 1.00/1.00.

Question 2
Correct
Mark 1.00 out of 1.00
Flag question


Consider the below words as key words and check the given input is key word or not.
keywords: (break, case, continue, default, defer, else, for, func, goto, if, map, range, return, struct, type, var)
Input format:

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Find if a String2 is substring of String1. If it is, return the index of the first occurrence, else return -1.

Sample Input 1
thistest123string

123

Sample Output 1
8

Answer: (penalty regime: 0 %)


```
1: def find_substring(string1, string2):
2:     if not string1 or not string2 or len(string2) > len(string1):
3:         return -1
4:     return string1.find(string2)
5:
6: # Sample Input
7: string1 = "thistest123string"
8: string2 = "123"
9:
10: # Output
11: print(find_substring(string1, string2))
12:
```

Question 3
Incorrect
Mark 0.00 out of 1.00
Flag question

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Input	Expected	Got
thistest123string	8	8
123		

Your code failed one or more hidden tests.
Your code must pass all tests to earn any marks. Try again.

Incorrect
Marks for this submission: 0.00/1.00.

Question 4
Correct
Mark 1.00 out of 1.00
Flag question

Given two Strings s1 and s2, remove all the characters from s1 which is present in s2.

Constraints
1<= string length <= 200

Sample Input 1
experience
enc

Sample Output 1

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Question 4
Correct
Mark 1.00 out of 1.00
Flag question

Given two Strings s1 and s2, remove all the characters from s1 which is present in s2.

Constraints

1 <= string length <= 200

Sample Input 1

experience
enc

Sample Output 1

xpri

Answer: (penalty regime: 0 %)

```
1 x=input()
2 y=input()
3 for i in x:
4     if i in y:
5         x=x.replace(i,"")
6     else:
7         pass
8 if x==0:
9     print(-1)
10 elif x=="":
11     print(-1)
12 else:
13     print(x)
```

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Input Expected Got

✓	experience enc	xpri xpri	✓
---	-------------------	--------------	---

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 5
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:

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Question 5

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
Hello	LESS

Answer: (penalty regime: 0 %)

```
1 import string
2 str=str(input())
3 count=0
4 for i in str[0:len(str)]:
5     if(i!=" "):
6         continue
7     else:
8         count=count+1
9 count=count+1
10 if(count<2):
```

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Answer: (penalty regime: 0 %)


```
1 import string
2 str=str(input())
3 count=0
4 for i in str[0:len(str)]:
5     if(i!=" "):
6         continue
7     else:
8         count=count+1
9 count=count+1
10 if(count<2):
11     print("LESS")
12 else:
13     list=(str.split())
14     print(list[1].upper())
```

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

Passed all tests! ✓

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Question 6

Correct

Mark 1.00 out of 1.00

Flag question

Correct

Marks for this submission: 1.00/1.00.

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 a=input()
2 c=str.lower(a)
3 b=str.split(c)
4 for i in range(len(b)):
5     x=b[i]
6     if(b[i]!=x[::-1]):
7         print(b[i], end=' ')
```


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Question 7

Correct

Correct

Marks for this submission: 1.00/1.00.

```
4 for i in range(len(b)):
5     x=b[i]
6     if(b[i]!=x[::-1]):
7         print(b[i], end=' ')
```

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

Passed all tests! ✓

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Question 7
Correct
Mark 1.00 out of 1.00
Flag question

Given a string S, which contains several words, print the count C of the words whose length is atleast L. (You can include punctuation marks like comma, full stop also as part of the word length. Space alone must be ignored)

Input Format:
The first line contains S.
The second line contains L.

Output Format:
The first line contains C.

Boundary Conditions:
 $2 \leq \text{Length of } S \leq 1000$

Example Input/Output 1:
Input:
During and after Kenyattas inauguration police elsewhere in the capital, Nairobi, tried to stop the opposition from holding peaceful demonstrations.
5
Output:
13
Explanation:
The words of minimum length 5 are
During
after
Kenyattas
inauguration
police
elsewhere
capital,
Nairobi,
tried
opposition
holding
peaceful
demonstrations.

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Explanation:
The words of minimum length 5 are
During
after
Kenyattas
inauguration
police
elsewhere
capital,
Nairobi,
tried
opposition
holding
peaceful
demonstrations.

Answer: (penalty regime: 0 %)

```
1 a=input()
2 d=int(input())
3 b=a.split()
4 c=0
5 for i in range(len(b)):
6     if(len(b[i])>=d):
7         c+=1
8 print(c)
9
```

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```
5 for i in range(len(b)):
6     if(len(b[i])>=d):
7         c+=1
8 print(c)
9
```

Input

✓ During and after Kenyattas inauguration police elsewhere in the capital, Nairobi, tried to stop the opposition from holding peace
5

Passed all tests! ✓

Correct

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Question 8
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 'B' and 'A' and then reverse, so answer is "B&A".

For example:

Input	Result
A&x#	x&A#

Answer: (penalty regime: 0 %)

```
1 str1=input()
2 s=list(str1)
3 left, right=0, len(s)-1
4 while left<right:
5     if not('a' <= s[left] <= 'z' or 'A' <= s[left] <= 'Z'):
6         left+=1
7     elif not('a' <= s[right] <= 'z' or 'A' <= s[right] <= 'Z'):
8         right-=1
9     else:
10        s[left], s[right] = s[right], s[left]
11        left+=1
12        right-=1
13 r=''.join(s)
14 print(r)
```

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```
12 right-=1
13 r=''.join(s)
14 print(r)
```

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

Passed all tests! ✓

Correct
Marks for this submission: 1.00/1.00.

Question 9
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 9

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.

Boundary Conditions:

2 <= N <= 10
2 <= Length of S1, S2 <= 1000

Example Input/Output 1:

Input:
abcdbde
cdefghbb
3

Output:
bcd

Note:

b occurs twice in common but must be printed only once.

Answer: (penalty regime: 0 %)

```
1 a=input()
2 b=input()
3 c=""
4 d=int(input())
5 for i in range(len(a)):
6     if(len(c)-d==0):
7         break
8     else:
9         if(a[i]in b):
10            if(a[i] not in c):
11                c+=a[i]
12 print(c)
```

Input	Expected	Got	
✓ abcdbde cdefghbb 3	bcd	bcd	✓

Passed all tests! ✓

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Question 10

Correct

Mark 1.00 out of 1.00

Flag question

Robert is having 2 strings consist of uppercase & lowercase english letters. Now he want to compare those two strings lexicographically. The letters' case does not matter, that is an uppercase letter is considered equivalent to the corresponding lowercase letter.

Input

The first line contains **T**. Then **T** test cases follow.

Each test case contains a two lines contains a string. The strings' lengths range from 1 to 100 inclusive. It is guaranteed that the strings are of the same length and also consist of uppercase and lowercase Latin letters.

Output

If the first string is less than the second one, print "-1".
If the second string is less than the first one, print "1".
If the strings are equal, print "0".
Note that the letters' case is not taken into consideration when the strings are compared.

Constraints

1≤T≤50
String length≤100

For example:

Input	Result
3	0
aaaa	-1
aaaA	1
abs	
Abz	
abcdefg	
AbCdEfg	

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```
1 a=int(input())
2 for i in range(a):
3     c=input()
4     d=input()
5     c=str.lower(c)
6     d=str.lower(d)
7     if(c==d):
8         print(0)
9     elif(c<d):
10        print(-1)
11    else:
12        print(1)
```

	Input	Expected	Got	
✓	3	0	0	✓
	aaaa	-1	-1	
	aaaA	1	1	
	abs			
	Abz			
	abcdefg			
	AbCdEfg			