

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	11	12
13	14	15	16	17	18

Show one page at a time

Finish review

Started on	Tuesday, 23 April 2024, 1:40 PM
State	Finished
Completed on	Saturday, 27 April 2024, 7:57 PM
Time taken	4 days 6 hours 10 mins 10 secs
Overdue	2 days 6 hours 10 mins 10 secs
Marks	100.00 / 100.00
Grade	100.00 out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

Y 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: $1 \leq \text{Length of } S \leq 100$ **Example Input/Output 1:**

Input:

abcd@gmail.com

Output:

com

gmail

abcd

Answer: (penalty regime: 0 %)

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

	Input	Expected	Got	
✓	abcd@gmail.com	com	gmail	abcd
		gmail	abcd	
		abcd	abcd	

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 1.00 out of 1.00

Y Flag question

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

Constraints $1 \leq \text{string length} \leq 200$ **Sample Input 1**

experience

enc

Sample Output 1

xpri

Answer: (penalty regime: 0 %)

```
1 s1 = input()
2 s2 = input()
3 for letters in s1:
4     if letters not in s2:
5         print(letters,end = ' ')
6
```

	Input	Expected	Got	
✓	experience	xpri	xpri	✓
	enc			

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 3

Correct

Mark 1.00 out of 1.00

Y 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_palindrome(sentence):
2     return word for word in sentence.lower().split() if word != word[::-1]
3 sentence=input()
4 print('remove_palindrome(sentence))
```

	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.

Question 4

Correct

Mark 1.00 out of 1.00

Y 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:** $2 \leq N \leq 10$ $2 \leq \text{Length of } S1, S2 \leq 1000$ **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 S1 = input()
2 S2 = input()
3 n = int(input())
4 res = ''
5 for i in S1:
6     if i in S2:
7         res+=i
8 final = ''
9 for letter in res:
10    if letter not in final:
11        final += letter
12
13 print(final[0:n])
14
15
16
17
```

	Input	Expected	Got	
✓	abcdbde	bcd	bcd	✓
	cdefghbb			
	3			

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 5

Correct

Mark 1.00 out of 1.00

Y 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 s1 = input()
2 s2 = input()
3 res = ''
4 for i in s1:
5     if i in s2:
6         res+=i
7 final = ''
8 for letter in res:
9     if letter not in final:
10        final += letter
11
12 print(final[0:n])
13
14
15
16
17
```

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

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 6

Correct

Mark 1.00 out of 1.00

Y Flag question

Assume that the given string has enough memory.

Don't use any extra space(N -PLACE)**Sample Input 1**

a2b4c6

Sample Output 1

aabbbccccccc

Answer: (penalty regime: 0 %)

```
1 s = input()
2 result = ''
3 i = 0
4 while i < len(s):
5     char = s[i]
6     i = i+1
7     count = 1
8     while i<len(s) and s[i].isdigit():
9         count+=s[i]
10        i=i+1
11        result+=char+int(count)
12 print(result)
13
14
15
16
17
```

	Input	Expected	Got	
✓	a2b4c6	aabbbccccccc	aabbbccccccc	✓
✓	a12b3d4	aaaaaaaaaaaaabbbddd	aaaaaaaaaaaaabbbddd	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 7

Correct

Mark 1.00 out of 1.00

Y 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	3
!	1

Answer: (penalty regime: 0 %)

```
1 s=input()
2 l_count=0
3 d_count=0
4 symbols_count=0
5 for char in s:
6     if char.isalpha():
7         l_count+=1
8     elif char.isdigit():
9         d_count+=1
10    elif not char.isalnum():
11        symbols_count+=1
12 print(l_count)
13 print(d_count)
14 print(symbols_count)
15
16
17
18
19
```

	Input	Expected	Got	
✓	rec@123	3	3	✓
		3	3	
		1	1	
✓	P@py26at*815ve	8	8	✓
		3	3	
		4	4	
✓	abc@12k	3	3	✓
		2	2	
		2	2	

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 8

Correct

Mark 1.00 out of 1.00

Y 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&@#	#&A#

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)
15 print(result)
16
```

	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

Y 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 s = set()
2 words = s.split()
3 if len(words) < 2:
4     print('LESS')
5 else:
6     print(words[1].upper())
```

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

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 10

Correct

Mark 1.00 out of 1.00

Y 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 s = set()
2 while True:
3     try:
4         word=input()
5         if word.lower()!="":
6             break
7         if word not in s:
8             print(word)
9             s.add(word)
10        except EOFError:
11            break
12
13
```

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

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Finish review