▲1 ● DIVYADHARSHINI V 2022-BIOMED-A D2 ~ REC-PS

GE19211 / GE23233 / GE23231 - PSPP/PUP

Dashboard / My courses / PSPP/PUP / Experiments based on Tuples, Sets and its operations / Week7_Coding

Quiz navigation Started on Thursday, 23 May 2024, 8:02 PM State Finished

Completed on Friday, 24 May 2024, 8:48 AM Time taken 12 hours 46 mins Show one page at a time Marks 5.00/5.00 Finish review Grade 100.00 out of 100.00 Question 1

Correct

Mark 1.00 out of 1.00 Input Format:

Write a program to eliminate the common elements in the given 2 arrays and print only the non-repeating elements and the total number of such non-repeating elements. F Flag question The first line contains space-separated values, denoting the size of the two arrays in integer format respectively. The next two lines contain the space-separated integer arrays to be compared.

Sample Input: 54 12865 26810 Sample Output: 1510

Sample Input: 55 12345 12345 Sample Output: NO SUCH ELEMENTS

For example: Input

Result

1 5 10

9 10

11 + else: 12

Correct

Example 1: Example 2: Input: s = "AAAAAAAAAAAA" Output: ["AAAAAAAAA"]

Question 2

Mark 1.00 out of

Flag question

Correct

1.00

For example: Input

Input AAAAACCCCCAAAAACCCCCCAAAAAGGGTTT ΑΑΑΑΑΑΑΑΑΑΑ Passed all tests! < Correct

Question 3

Mark 1.00 out of

P Flag question

Correct

1.00

Shift 仑 Ctrl Example 1: Input: words = ["Hello", "Alaska", "Dad", "Peace"]

Hello

Answer: (penalty regime: 0 %) 1 A = int(input()) words = [input() for _ in range(A)] 3 rows = [set("qwetyuiop"), set("asdfghjkl"),set("zxcvbnm")] 4 result=[word for word in words if any(set(word.lower()).issubset(row) for row in rows)] 5 v if result: 6 7 v else:

Hello

Question 4 Correct Mark 1.00 out of 1.00 Example 1: Flag question Output:

> Input hello world ad ak Answer: (penalty regime: 0 %) 1 def countWords(text, brokenLetters): 4 5 + 8 9

Question 5 Correct Mark 1.00 out of 1.00 Flag question

Examples: Input: t = (5, 6, 5, 7, 7, 8), K = 13 Output: 2 **Explanation:** Pairs with sum K(=13) are $\{(5, 8), (6, 7), (6, 7)\}$. Therefore, the required output is 2. For example: Input

1,2,1,2,5 1 1,2 0 Answer: (penalty regime: 0 %) 1 | t = tuple(map(int,input().split(','))) 5 + for num in t: 8

> **Expected Got** Input √ 5,6,5,7,7,8 2 13 1,2,1,2,5 1 ✓ 1,2 Passed all tests! < Correct Marks for this submission: 1.00/1.00.

Answer: (penalty regime: 0 %) 1 | n,m = map(int,input().split()) 2 array1 = list(map(int,input().split())) 3 | array2 = list(map(int,input().split())) 4 set1 = set(array1) 5 set2 = set(array2) 6 | symmentric_diff = set1.symmetric_difference(set2) 7 non_repeating_elements=[x for x in symmentric_diff if x not in set1 or x not in set2] 8 * if non_repeating_elements: print(*non_repeating_elements) print(len(non_repeating_elements)) print("NO SUCH ELEMENTS")

1 5 10 🗸 3 11 12 🗸 2 Passed all tests! < Marks for this submission: 1.00/1.00. The **DNA sequence** is composed of a series of nucleotides abbreviated as 'A', 'C', 'G', and 'T'. • For example, "ACGAATTCCG" is a DNA sequence. When studying DNA, it is useful to identify repeated sequences within the DNA. Given a string s that represents a DNA sequence, return all the 10-letter-long sequences (substrings) that occur more than once in a DNA molecule. You may return the answer in any order. Input: s = "AAAAACCCCCAAAAACCCCCCAAAAAGGGTTT" Output: ["AAAAACCCCC", "CCCCCAAAAA"]

AAAAACCCCCAAAAACCCCCCAAAAAGGGTTT AAAAACCCCC CCCCCAAAAA Answer: (penalty regime: 0 %) 1 |s = input() 2 A = set() 3 B = set() 4 * for i in range(len(s) - 9): C = s[i:i + 10]if C in A: B.add(C) else: A.add(C) 10 - for seq in B: print(seq)

Expected

Got

AAAAACCCCC AAAAACCCCC V

ΑΑΑΑΑΑΑΑΑ ΑΑΑΑΑΑΑΑΑ 🗸

9

Κ

M

0

Р

>

Alt

0

<

Backspace

Ctrl

Enter

Shift

ۍ

Menu

Win

Key

CCCCCAAAAA CCCCCAAAAA

Result

Given an array of strings words, return the words that can be typed using letters of the alphabet on only one row of American keyboard like the image below. In the American keyboard: the first row consists of the characters "qwertyviop", • the second row consists of the characters "asdfghjkl", and the third row consists of the characters "zxcvbnm". # @ % & 7 2 3 4 5 6 8 U R E Caps Lock A D S G Н F Z X N С ٧ в

Output: ["Alaska", "Dad"] Example 2: Input: words = ["omk"] Output: [] Example 3: Input: words = ["adsdf", "sfd"] Output: ["adsdf", "sfd"] For example: Input Result

Alaska

adsfd

afd

Dad

Alaska Dad Peace

adsfd

afd

Win

Key

Alt

Marks for this submission: 1.00/1.00.

print("\n".join(result)) print("No words") Input Expected Got Alaska Alaska

Dad

No words

adsfd

adsfd afd

afd

Passed all tests! <

Correct

For example:

10

Input

Passed all tests! <

Correct

hello world

Welcome to REC

Marks for this submission: 1.00/1.00.

Result

k = int(input())

distinct_pairs=set()

print(len(distinct_pairs))

complement = k-num

seen[num]= seen.get(num, 0) + 1

Jump to...

seen = {}

else:

9 +

10

0

Faculty Upskilling in Python Programming 2

Alaska Dad Peace

Dad

No words V

Marks for this submission: 1.00/1.00. There is a malfunctioning keyboard where some letter keys do not work. All other keys on the keyboard work properly. Given a string text of words separated by a single space (no leading or trailing spaces) and a string brokenLetters of all distinct letter keys that are broken, return the number of words in text you can fully type using this keyboard. Input: text = "hello world", brokenLetters = "ad" Explanation: We cannot type "world" because the 'd' key is broken. Faculty Upskilling in Python Programming 2

brokenSet = set(brokenLetters)

count = 0

return count

words = text.split(' ') for word in words: if not set(word) & brokenSet: if not set(word) & brokenSet: count +=1 text = input().lower() brokenLetters=input() 12 | print(countWords(text, brokenLetters)) Expected Got

Result

Given a tuple and a positive integer k, the task is to find the count of distinct pairs in the tuple whose sum is equal to K. Therefore, distinct pairs with sum K(=13) are $\{(5, 8), (6, 7)\}$.

if complement in seen and seen[complement]>0: distinct_pairs.add((min(num , complement), max(num, complement)))

Finish review Dictionary -

■ Week7_MCQ