Question **1**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

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**.

**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, distinct pairs with sum K( = 13) are { (5, 8), (6, 7) }.   
Therefore, the required output is 2.

**For example:**

| **Input** | **Result** |
| --- | --- |
| 1,2,1,2,5  3 | 1 |
| 1,2  0 | 0 |

Answer:(penalty regime: 0 %)

t=list(map(int,input().split(",")))

k=int(input())

c=0

s=set()

for i in range(0,len(t)):

for j in range(0,len(t)):

if t[i]+t[j]==k:

s.add((min(t[i],t[j]),max(t[i],t[j])))

print(len(s))

Feedback

|  | **Input** | **Expected** | **Got** |  |
| --- | --- | --- | --- | --- |
|  | 5,6,5,7,7,8  13 | 2 | 2 |  |
|  | 1,2,1,2,5  3 | 1 | 1 |  |
|  | 1,2  0 | 0 | 0 |  |

Passed all tests!

**Correct**

Marks for this submission: 1.00/1.00.

Question **2**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

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 "qwertyuiop",
* the second row consists of the characters "asdfghjkl", and
* the third row consists of the characters "zxcvbnm".



**Example 1:**

**Input:** words = ["Hello","Alaska","Dad","Peace"]

**Output:** ["Alaska","Dad"]

**Example 2:**

**Input:** words = ["omk"]

**Output:** []

**Example 3:**

**Input:** words = ["adsdf","sfd"]

**Output:** ["adsdf","sfd"]

**For example:**

| **Input** | **Result** |
| --- | --- |
| 4  Hello  Alaska  Dad  Peace | Alaska  Dad |
| 2  adsfd  afd | adsfd  afd |

Answer:(penalty regime: 0 %)

n=int(input())

l=[]

s=[]

for i in range(n):

l.append(input())

a="qwertyuiopQWERTYUIOP"

b="asdfghjklASDFGHJKL"

c="zxcvbnmZXCVBNM"

s1=set(l)

for i in range(n):

t=set(l[i])

if t.issubset(b):

s.append(l[i])

elif t.issubset(c):

s.append(l[i])

elif t.issubset(a):

s.append(l[i])

if len(s)>0:

print(\*s,sep="\n")

else:

print("No words")

Feedback

|  | **Input** | **Expected** | **Got** |  |
| --- | --- | --- | --- | --- |
|  | 4  Hello  Alaska  Dad  Peace | Alaska  Dad | Alaska  Dad |  |
|  | 1  omk | No words | No words |  |
|  | 2  adsfd  afd | adsfd  afd | adsfd  afd |  |

Passed all tests!

**Correct**

Marks for this submission: 1.00/1.00.

Question **3**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

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.

Input Format:

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](https://www.rajalakshmicolleges.net/moodle/mod/quiz/view.php?id=5127) Input:

5 4

1 2 8 6 5

2 6 8 10

[Sample](https://www.rajalakshmicolleges.net/moodle/mod/quiz/view.php?id=5127) Output:

1 5 10

3

[Sample](https://www.rajalakshmicolleges.net/moodle/mod/quiz/view.php?id=5127)  Input:

5 5

1 2 3 4 5

1 2 3 4 5

[Sample](https://www.rajalakshmicolleges.net/moodle/mod/quiz/view.php?id=5127) Output:

NO SUCH ELEMENTS

**For example:**

| **Input** | **Result** |
| --- | --- |
| 5 4  1 2 8 6 5  2 6 8 10 | 1 5 10  3 |

Answer:(penalty regime: 0 %)

a=input()

b=list(map(int,input().split(" ")))

c=list(map(int,input().split(" ")))

d=set(b)

e=set(c)

f=d^e

if(len(f)>0):

print(\*f,sep=" ")

print(len(f))

else:

print("NO SUCH ELEMENTS")

Feedback

|  | **Input** | **Expected** | **Got** |  |
| --- | --- | --- | --- | --- |
|  | 5 4  1 2 8 6 5  2 6 8 10 | 1 5 10  3 | 1 5 10  3 |  |
|  | 3 3  10 10 10  10 11 12 | 11 12  2 | 11 12  2 |  |

Passed all tests!

**Correct**

Marks for this submission: 1.00/1.00.

Question **4**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Given an array of integers nums containing n + 1 integers where each integer is in the range [1, n] inclusive.There is only **one repeated number** in nums, return *this repeated number*. Solve the problem using set.

**Example 1:**

**Input:** nums = [1,3,4,2,2]

**Output:** 2

**Example 2:**

**Input:** nums = [3,1,3,4,2]

**Output:** 3

**For example:**

| **Input** | **Result** |
| --- | --- |
| 1 3 4 4 2 | 4 |

Answer:(penalty regime: 0 %)

m=input().split()

for i in m:

if m.count(i)>1:

print(i)

break

Feedback

|  | **Input** | **Expected** | **Got** |  |
| --- | --- | --- | --- | --- |
|  | 1 3 4 4 2 | 4 | 4 |  |
|  | 1 2 2 3 4 5 6 7 | 2 | 2 |  |

Passed all tests!

**Correct**

Marks for this submission: 1.00/1.00.

Question **5**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

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.

Example 1:

Input: text = "hello world", brokenLetters = "ad"

Output:

1

Explanation: We cannot type "world" because the 'd' key is broken.

**For example:**

| **Input** | **Result** |
| --- | --- |
| hello world  ad | 1 |
| Faculty Upskilling in Python Programming  ak | 2 |

Answer:(penalty regime: 0 %)

a=input()

b=input()

c=0

for i in b:

if i in a:

c=c+1

print(c)

Feedback

|  | **Input** | **Expected** | **Got** |  |
| --- | --- | --- | --- | --- |
|  | hello world  ad | 1 | 1 |  |
|  | Welcome to REC  e | 1 | 1 |  |
|  | Faculty Upskilling in Python Programming  ak | 2 | 2 |  |

Passed all tests!

**Correct**

Marks for this submission: 1.00/1.00.