

HackerRank

collections.Counter() ★

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Python

Your collections.Counter() submission got 10.00 points. Сподел Post

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Problem

Submissions

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collections.Counter()

A counter is a container that stores elements as dictionary keys, and their counts are stored as dictionary values.

Sample Code

```
>>> from collections import Counter
>>>
>>> myList = [1,1,2,3,4,5,3,2,3,4,2,1,2,3]
>>> print Counter(myList)
Counter({2: 4, 3: 4, 1: 3, 4: 2, 5: 1})
>>>
>>> print Counter(myList).items()
[(1, 3), (2, 4), (3, 4), (4, 2), (5, 1)]
>>>
>>> print Counter(myList).keys()
[1, 2, 3, 4, 5]
>>>
>>> print Counter(myList).values()
[3, 4, 4, 2, 1]
```

Task

Raghu is a shoe shop owner. His shop has ***X*** number of shoes.

He has a list containing the size of each shoe he has in his shop.

There are ***N*** number of customers who are willing to pay ***x_i*** amount of money only if they get the shoe of their desired size.

Your task is to compute how much money **Raghu** earned.

Input Format

The first line contains ***X***, the number of shoes.

The second line contains the space separated list of all the shoe sizes in the shop.

The third line contains ***N***, the number of customers.

The next ***N*** lines contain the space separated values of the **shoe size** desired by the customer and ***x_i***, the price of the shoe.

Constraints

$0 < X < 10^3$
 $0 < N \leq 10^3$
 $20 < x_i < 100$
 $2 < \text{shoe size} < 20$

Output Format

Print the amount of money earned by **Raghu**.

Sample Input

https://www.hackerrank.com/challenges/collections-counter/problem?isFullScreen=false

```
10
2 3 4 5 6 8 7 6 5 18
6
6 55
6 45
6 55
4 40
18 60
10 50
```

Sample Output

```
200
```

Explanation

Customer 1: Purchased size 6 shoe for **\$55**.

Customer 2: Purchased size 6 shoe for **\$45**.

Customer 3: Size 6 no longer available, so no purchase.

Customer 4: Purchased size 4 shoe for **\$40**.

Customer 5: Purchased size 18 shoe for **\$60**.

Customer 6: Size 10 not available, so no purchase.

Total money earned = **55 + 45 + 40 + 60 = \$200**

Change Theme Language Pypy 3



```
1 # Link - https://www.hackerrank.com/challenges/collections-counter/problem?
  isFullScreen=false
2
3 number_of_shoes = int(input())
4 shoe_sizes = list(map(int, input().split()))
5 number_of_customers = int(input())
6 shoe_sizes_and_prices = {}
7 won_money = 0
8
9 for i in range(number_of_customers):
10     shoe_size, price = map(int, input().split())
11     if shoe_size in shoe_sizes:
12         won_money += price
13         shoe_sizes.remove(shoe_size)
14
15 print(won_money)
16
```

Line: 16 Col: 1

Upload Code as File



Test against custom input

Run Code

Submit Code

You have earned 10.00 points!

You are now 115 points away from the gold level for your python badge.

36%

285/400



Congratulations

You solved this challenge. Would you like to challenge your friends?

[Next Challenge](#)

✓ **Test case 0**

✓ Test case 1

✓ Test case 2

✓ Test case 3

✓ Test case 4

✓ Test case 5

Compiler Message

Success

Input (stdin)

[Download](#)

1	10
2	2 3 4 5 6 8 7 6 5 18
3	6
4	6 55
5	6 45
6	6 55
7	4 40
8	18 60
9	10 50

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