



Practice > Python > Collections > collections.Counter()

collections.Counter() ☆

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Problem

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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

$$0 < X < 10^3$$

$$0 < N \leq 10^3$$

Author

DOSHI

Difficulty

Easy

Max Score

10

Submitted By

17311

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$20 < x_i < 100$ $2 < shoe\ size < 20$ **Output Format**

Print the amount of money earned by *Raghu*.

Sample Input

```
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 = $55 + 45 + 40 + 60 = \$200$

Current Buffer (saved locally, editable)  

Python 3 

```
1 input()
2 l=list(map(int,input().split()))
3 n=int(input())
4 ct=0
5 for i in range(n):
6     a,b=map(int,input().split())
7     if(a in l):
8         ct=ct+b
9         l.remove(a)
10 print(ct)
11
```

Line: 10 Col: 5

 Upload Code as File ☐ Test against custom input

Run Code**Submit Code**



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96/115 challenges solved.

83%

Congratulations

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



Next
Challenge

- ✔ Testcase 0
- ✔ Testcase 1
- ✔ Testcase 2
- ✔ Testcase 3

6 Testcases

Input (stdin)

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Expected Output

Download

```
10
2 3 4 5 6 8 7 6 5 18
6
c ff
```



200

Compiler Message

Success