



Collections.OrderedDict() ★

57/115 challenges solved

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collections.OrderedDict

An OrderedDict is a dictionary that remembers the order of the keys that were inserted first. If a new entry overwrites an existing entry, the original insertion position is left unchanged.

Example

Code

```
>>> from collections import OrderedDict
>>>
>>> ordinary_dictionary = {}
>>> ordinary_dictionary['a'] = 1
>>> ordinary_dictionary['b'] = 2
>>> ordinary_dictionary['c'] = 3
>>> ordinary_dictionary['d'] = 4
>>> ordinary_dictionary['e'] = 5
>>>
>>> print ordinary_dictionary
{'a': 1, 'c': 3, 'b': 2, 'e': 5, 'd': 4}
>>>
>>> ordered_dictionary = OrderedDict()
>>> ordered_dictionary['a'] = 1
>>> ordered_dictionary['b'] = 2
>>> ordered_dictionary['c'] = 3
>>> ordered_dictionary['d'] = 4
>>> ordered_dictionary['e'] = 5
>>>
>>> print ordered_dictionary
OrderedDict([('a', 1), ('b', 2), ('c', 3), ('d', 4), ('e', 5)])
```

Task

You are the manager of a supermarket.

You have a list of N items together with their prices that consumers bought on a particular day.

Your task is to print each `item_name` and `net_price` in order of its first occurrence.

`item_name` = Name of the item.

`net_price` = Quantity of the item sold multiplied by the price of each item.

Input Format

The first line contains the number of items, N .

The next N lines contains the item's name and price, separated by a space.

Constraints

$0 < N \leq 100$

Output Format

Print the `item_name` and `net_price` in order of its first occurrence.

Sample Input

```
9
BANANA FRIES 12
POTATO CHIPS 30
APPLE JUICE 10
```

```
CANDY 5
APPLE JUICE 10
CANDY 5
CANDY 5
CANDY 5
POTATO CHIPS 30
```

Sample Output

```
BANANA FRIES 12
POTATO CHIPS 60
APPLE JUICE 20
CANDY 20
```

Explanation

BANANA FRIES: Quantity bought: **1**, Price: **12**

Net Price: **12**

POTATO CHIPS: Quantity bought: **2**, Price: **30**

Net Price: **60**

APPLE JUICE: Quantity bought: **2**, Price: **10**

Net Price: **20**

CANDY: Quantity bought: **4**, Price: **5**

Net Price: **20**

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```
1  # Enter your code here. Read input from STDIN. Print output to STDOUT
2  from collections import OrderedDict
3
4  d = OrderedDict()
5  N = int(input())
6  for _ in range(N):
7      name, price = input().rsplit(" ",1)
8      price = int(price)
9      if name in d:
10         d[name] += price
11     else:
12         d[name] = price
13  for k, v in d.items():
14     print(k, v)
15
16
```

EMACS

Line: 16 Col: 1

⬆️ Upload Code as File

☐ Test against custom input

Run Code

Submit Code

✔️ Test case 0

Compiler Message

✔️ Test case 1

Success

✔️ Test case 2

Input (stdin)

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✔️ Test case 3

```
1 9
2 BANANA FRIES 12
3 POTATO CHIPS 30
4 APPLE JUICE 10
5 CANDY 5
6 APPLE JUICE 10
7 CANDY 5
8 CANDY 5
9 CANDY 5
```

✔️ Test case 4

✔️ Test case 5