

Your Collections.OrderedDict() submission got 20.00 points. [Share](#)[Try the Next Challenge](#) | [Try a Random Challenge](#)

# Collections.OrderedDict()

 by **DOSHI**

Problem

Submissions

Leaderboard

Discussions

Editorial

## 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**

[f](#) [t](#) [in](#)

Submissions: [7182](#)



Max Score: 20

Difficulty: Easy

Rate This Challenge:

☆☆☆☆☆

[More](#)

Current Buffer (saved locally, editable)  

Python 3



```
1 from collections import OrderedDict
2
3 n = int(input().strip())
4
5 od = OrderedDict()
6 for i in range(n):
7     name, price = input().strip().rsplit(' ', maxsplit=1)
8     price = int(price)
9     try:
10         od[name] = od[name] + price
11     except KeyError:
12         od[name] = price
13
14 [print('{} {}'.format(k, v)) for k, v in od.items()]
```

Line: 14 Col: 12

 [Upload Code as File](#) ☐ Test against custom input

Run Code

Submit Code

Congrats, you solved this challenge!

Challenge your friends: [f](#) [t](#) [in](#)

✔ Test Case #0

✔ Test Case #1

✔ Test Case #2

✔ Test Case #3

✔ Test Case #4

✔ Test Case #5

You've earned 20.00 points.

[Next Challenge](#)[Contest Calendar](#)[Blog](#)[Scoring](#)[Environment](#)[FAQ](#)[About Us](#)[Support](#)[Careers](#)[Terms Of Service](#)[Privacy Policy](#)[Request a Feature](#)