Collections.OrderedDict() ★

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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**

Change Theme Python 3

```
1  from collections import OrderedDict
2
3  if __name__ == '__main__':
4      n = int(input())
5
6      sales = OrderedDict()
7
8      for _ in range(n):
9          data = input().split()
10         net_price = int(data[-1])
11         item_name = ' '.join(data[:len(data) - 1])
12
13         if item_name in sales:
14             sales[item_name].append(net_price)
15         else:
16             sales[item_name] = [net_price]
17
18     for k, v in sales.items():
19         print(k, sum(v))
20
```

Line: 20 Col: 1

Upload Code as File Test against custom input Run Code Submit Code

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Test case 0

Test case 1

Test case 2

Test case 3

Test case 4

Test case 5

Compiler Message

Success

Input (stdin) Download

```
9
BANANA FRIES 12
POTATO CHIPS 30
APPLE JUICE 10
CANDY 5
APPLE JUICE 10
CANDY 5
CANDY 5
CANDY 5
```