# Collections.OrderedDict()



#### 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 \le 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:  $\mathbf{2}$ , Price:  $\mathbf{10}$ 

Net Price: 20

CANDY: Quantity bought: 4, Price: 5

Net Price: 20