

Question - 1

Calculate the total to pay from an array of dictionary.

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```
[{
  "name": "banana",
  "price": 1000,
  "quantity": 2,
}, {
  "name": "mango",
  "price": 2000,
  "quantity": 1,
}, ...]
```

Input

- An array of dictionary with name, quantity and price

Output

- The total price to pay

INPUT	OUTPUT
<pre>[{ "name": "banana", "price": 1000, "quantity": 2, }, { "name": "mango", "price": 2000, "quantity": 1, }]</pre>	<p>4000</p> <p>2 bananas * 1000 + 1 mango * 2000</p>
<pre>[]</pre>	<p>0</p>
<pre>[{ "name": "milkita", "price": 1000, "quantity": 20, }]</pre>	<p>20 000</p> <p>20 milkita * 1000</p>
<pre>[{ "name": "motorbike", "price": 1000000, "quantity": 1, }, { "name": "ice-cream", "price": 10000, "quantity": 2, }]</pre>	<p>1 020 000</p> <p>1 moto * 1000000 + 2 ice-cream * 10000</p>

Question - 2

Count number of Fruit and Meat in Array of Dictionary

Count number of Fruit and Meat in Array of Dictionary that provided.

Input

- An ARRAY of Dictionary

Output

- STRING

INPUT	OUTPUT
<pre>[{'fruit': 'banana', 'qty': 10, 'price': 100}, {'fruit': 'coconut', 'qty': 5, 'price': 10}, {'fruit': 'mango', 'qty': 12, 'price': 30}, {'meat': 'bird', 'qty': 1, 'price': 60}, {'meat': 'fish', 'qty': 3, 'price': 30},]</pre>	<pre>Fruit:3 Meat:2</pre>
<pre>[{'fruit': 'banana', 'qty': 10, 'price': 100}, {'meat': 'bird', 'qty': 1, 'price': 60}, {'meat': 'fish', 'qty': 3, 'price': 30},]</pre>	<pre>Fruit:1 Meat:2</pre>
<pre>[]</pre>	<pre>Fruit:0 Meat:0</pre>

Question - 3

Find good student with results in HTML Final exam.

We have the list of PNC student results in HTML Final exam.

We want to know the best student (max score) and if all students have more than 75

Input

- A list of student results
 - Each student result has 2 information :
 - the student name
 - the student score

Output

- The best student:
 - **The best student is XXX**
- If all students have more (or equal) than 75 you shall also print :
 - **All students have more than 75**
- If the list has no student, you shall just print:
 - **No result**

Examples

Input	Output
[{"name": "Bunthoeun", "score": 90}, {"name": "Kunthy", "score": 75}, {"name": "Sreymom", "score": 95}]	The best student is Sreymom All students have more than 75
[{"name": "Bunthoeun", "score": 90}, {"name": "Kunthy", "score": 35}, {"name": "Sreymom", "score": 95}]	The best student is Sreymom
[{"name": "Bunthoeun", "score": 90},]	The best student is Bunthoeun All students have more than 75
[]	No result

Question - 4

[DICTIONARY] Merge 2 dictionaries

We want to manage the number of students per class, so we use a dictionary:

- The key is the name of the class (ex : "2021C")
- The value is the number of students

We have 2 dictionaries and we want to merge them into 1

INPUTS:

- 2 dictionary STRING (key) -> INTEGER (value) :
`{"2021A": 20, "2021B": 30, "2021C": 15 }`
`{"2021A": 15, "2021C": 10, "2021D": 99 }`

OUTPUT:

- Print the dictionary, resulting from the merge of the 2 given dictionaries
`{"2021A": 35, "2021B": 30, "2021C": 25, "2021D": 99 }`

Explanation: Here, for class 2021A the first dictionary gave us 20 students and the second one 15 students. SO the total number of student will be 35 for class 2021A