

# Work on project. Stage 3/3: Calculate net income

Project: My First Project with Python

 Hard  1361  3 hours ago

## Calculate net income

### Theory

This stage is the last stage in this project, which means that when you complete it, you will also complete the project itself.

You likely have already noticed, that each stage is provided with examples of how the program should work in the **Examples** section. There may be one, two, or even more examples, depending on the complexity of the program.

The program typically operates in a loop since it often requires user input. It presents some information, retrieves some from the user, and then repeats this process.

In examples, every input is represented by a greater-than symbol followed by a space(`>` ).

That said, let's review this example:

```
1 | What's your name?  
2 | > Bob
```

3 | Hello, Bob!

This example demonstrates that the program should initially show the message 'What's your name?' and then request input from the user. Upon receiving the response 'Bob', the program will display the final message 'Hello, Bob!'.

## Description

In the final stage, let's calculate the shop's net income. To do this, you need to retrieve staff and other expenses from the user input and subtract them from the income you came up with in the previous stage.

You don't need to change the previous functionality of your program, but to expand it by adding both inputs and calculating the net income.

Note that the `input()` function returns a string value. Therefore, before performing subtraction, make sure to convert the retrieved value to an integer.

## Objectives

In this stage, your program should:

1. Print the item names, what you earned for each of them and total earnings as before;
2. Ask users for staff expenses with the `Staff expenses:` string and for other expenses with the `Other expenses:` string;
3. Calculate and print the net income as shown below. Replace `0.0` with the actual net income:

```
1 | Net income: $0.0
```

## Examples

The greater-than symbol followed by a space ( `>`  ) represents the user input. Note that it's not part of the input: It is just used to separate the user input from the output of your program in the stage examples, you don't need to print the `>`  sign!

**Example 1:** *the user inputs 2000 for staff expenses and 205 for other expenses accordingly:*

```
1 | Earned amount:
2 | Bubblegum: $202
3 | Toffee: $118
4 | Ice cream: $2250
5 | Milk chocolate: $1680
6 | Doughnut: $1075
```


TH  
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```
1 | Earned amount:
2 | Bubblegum: $202
3 | Toffee: $118
4 | Ice cream: $2250
5 | Milk chocolate: $1680
6 | Doughnut: $1075
7 | Pancake: $80
```

```
8
9   Income: $5405
10  Staff expenses:
11  > 5203
12  Other expenses:
13  > 400
14  Net income: $-198
```

Write a program

 Report a typo

 See hint

Code Editor

IDE  +100

```
1  # Write your code here
2  items = {'Bubblegum': 202, 'Toffee': 118, 'Ice cream': 100}
3  print("Earned amount:")
4  sum = 0
5  for key in items.keys():
6      print(f"{key}: ${items[key]}")
7      sum += items[key]
8  print(f"""
9  Income: ${sum}""")
10 sum -= int(input('Staff expenses:'))
11 print(f"Net income: ${sum - int(input('Other expenses:'))}")
```

Continue

Solve again

Solutions (120)

✓ Correct.

That's an awesome solution! What do you think about showing it off? [Post it to Solutions](#) so other learners can enjoy it too.

It was a tricky task, but you nailed it!

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Topics in stage

- ✓ Program with numbers
- ✓ PEP 8: Coding style guide
- ✓ Taking user's input
- ✓ Sep and end arguments of print
- ✓ Integer arithmetic: special operations

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