



Day 2: Operators ★

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30

Days of Code



Problem

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Objective

In this challenge, you'll work with arithmetic operators. Check out the [Tutorial](#) tab for learning materials and an instructional video!

Task

Given the meal price (base cost of a meal), tip percent (the percentage of the meal price being added as tip), and tax percent (the percentage of the meal price being added as tax) for a meal, find and print the meal's total cost.

Note: Be sure to use precise values for your calculations, or you may end up with an incorrectly rounded result!

Input Format

There are **3** lines of numeric input:

The first line has a double, **mealCost** (the cost of the meal before tax and tip).

The second line has an integer, **tipPercent** (the percentage of **mealCost** being added as tip).

The third line has an integer, **taxPercent** (the percentage of **mealCost** being added as tax).

Output Format

Print the total meal cost, where **totalCost** is the rounded integer result of the entire bill (**mealCost** with added tax and tip).

Sample Input

```
12.00
20
8
```

Sample Output

```
15
```

Explanation

Given:

$$\text{mealCost} = 12, \text{tipPercent} = 20, \text{taxPercent} = 8$$

Calculations:

$$\text{tip} = 12 \times \frac{20}{100} = 2.4$$

$$\text{tax} = 12 \times \frac{8}{100} = 0.96$$

$$\text{totalCost} = \text{mealCost} + \text{tip} + \text{tax} = 12 + 2.4 + 0.96 = 15.36$$

$$\text{round}(\text{totalCost}) = 15$$

We round **totalCost** to the nearest dollar (integer) and then print our result, **15**.

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Python 3



```
1 #!/bin/python3
2
3 import math
4 import os
5 import random
6 import re
7 import sys
```

```
8  
9  # Complete the solve function below.  
10 def solve(meal_cost, tip_percent, tax_percent):  
11     cal_tip = meal_cost * tip_percent / 100  
12     cal_tax = meal_cost * tax_percent / 100  
13     totalCost = meal_cost + cal_tip + cal_tax  
14     print(str(round(totalCost)))  
15  
16 if __name__ == '__main__':  
17     meal_cost = float(input())  
18  
19     tip_percent = int(input())  
20  
21     tax_percent = int(input())  
22  
23     solve(meal_cost, tip_percent, tax_percent)  
24
```

Line: 1 Col: 1

Upload Code as File Test against custom input

Run Code

Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0

Input (stdin)

[Download](#)

1	12.00
2	20
3	8

Sample Test case 1

Your Output (stdout)

1	15
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Expected Output

1	15
---	----

