

Day 2: Operators ☆

4 more challenges to get your next star!

Points: 3/7



30

Days of Code

Problem

Submissions

Leaderboard

Editorial

Tutorial

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:

mealCost = 12, **tipPercent** = 20, **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     tip = meal_cost * (tip_percent/100)
12     tax = meal_cost * (tax_percent/100)
13     total_cost = round(meal_cost + tip + tax)
14     print(total_cost)
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: 13 Col: 46

[Upload Code as File](#) ☐ Test against custom input

Run Code

Submit Code

You have earned 30.00 points!

You are now 4 challenges away from the 2nd star for your 30 days of code badge.

20%

3/7



Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

Test case 0

Test case 1

Test case 2

Test case 3

Compiler Message

Success

Input (stdin)

1	12.00
2	20
3	8

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Expected Output

1	15
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