



Day 2: Operators ☆

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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:

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**.



Java 8



```
1  import java.io.*;
2  import java.math.*;
3  import java.security.*;
4  import java.text.*;
5  import java.util.*;
6  import java.util.concurrent.*;
7  import java.util.regex.*;
8
9  public class Solution {
10
11      // Complete the solve function below.
12      static void solve(double meal_cost, int tip_percent, int tax_percent) {
13
14
15      }
16
17      private static final Scanner scanner = new Scanner(System.in);
18
19      public static void main(String[] args) {
20          double meal_cost = scanner.nextDouble();
21          scanner.skip("(\r\n|[\n\r\u2028\u2029\u0085])?");
22
23          int tip_percent = scanner.nextInt();
24          scanner.skip("(\r\n|[\n\r\u2028\u2029\u0085])?");
25
26          int tax_percent = scanner.nextInt();
27          scanner.skip("(\r\n|[\n\r\u2028\u2029\u0085])?");
28
29          solve(meal_cost, tip_percent, tax_percent);
```

Line: 1 Col: 1

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