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Day 2: Operators

by [blondiebytes](#)

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 is totalCost dollars., 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

```
The total meal cost is 15 dollars.
```

Explanation

Given:

mealCost = 12, *tipPercent* = 20, *taxPercent* = 8

Calculations:

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

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

$$totalCost = mealCost + tip + tax = 12 + 2.4 + 0.96 = 15.36$$

$$round(totalCost) = 15$$

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

```
The total meal cost is 15 dollars.
```



Submissions: 100876

Max Score: 30

Difficulty: Easy

Rate This Challenge:



Current Buffer (saved locally, editable)

C#



```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5
6 namespace ConsoleApplication1
7 {
8     class Program
9     {
10         static void Main(string[] args)
11         {
12
13             //double mealCost = 12.00;
14             //int tipPercent = 20;
15             //int taxPercent = 8;
16
17             double mealCost = double.Parse(Console.ReadLine());
18             int tipPercent = int.Parse(Console.ReadLine());
19             int taxPercent = int.Parse(Console.ReadLine());
20
21             double tip = mealCost * (tipPercent / 100.0);
22             double tax = mealCost * (taxPercent / 100.0);
23
24             double totalCost = mealCost + tip + tax;
25             Console.WriteLine("The total meal cost is {0} dollars.", Math.Round(totalCost));
26
27             Console.ReadLine();
28         }
29     }
30 }
31
```

Line: 10 Col: 38

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

Congrats, you solved this challenge!

✓ Test Case #0

✓ Test Case #1

✓ Test Case #2

✓ Test Case #3

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