



Day 2: Operators

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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.
```

Easy

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Current Buffer (saved locally, editable)

Java 7

```
1 import java.util.*;
2 import java.math.*;
3
4 public class Arithmetic {
5
6     public static void main(String[] args) {
7         Scanner scan = new Scanner(System.in);
8         double mealCost = scan.nextDouble(); // original meal price
9         int tipPercent = scan.nextInt(); // tip percentage
10        int taxPercent = scan.nextInt(); // tax percentage
11        scan.close();
12
13        // Write your calculation code here.
14        int totalCost = (int) Math.round(mealCost + tipPercent*mealCost/100 + taxPercent*mealCost/100);
15
16
17        System.out.println("The total meal cost is " + totalCost + " dollars.");
18        // Print your result
19    }
20 }
```

Line: 14 Col: 9

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

Testcase 0

Testcase 1

Congratulations, you passed the sample test case.Click the [Submit Code](#) button to run your code against all the test cases.

Input (stdin)

```
12.00
20
8
```

Your Output (stdout)

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

Expected Output

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

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