Dashboard › Tutorials › 30 Days of Code › Day 2: Operators

Day 2: Operators 🔖

👤 by blondiebytes

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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.
```

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Submissions: 159862
Max Score: 30

Difficulty: Easy

Rate This Challenge:

☆ ☆ ☆ ☆ ☆

More

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```java
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
15         // cast the result of the rounding operation to an int and save it as totalCost
16         int totalCost = (int) Math.round(/*numberToRoundHere*/);
17
18         // Print your result
19     }
20  }
```

                                                                              Line: 1 Col: 1

⬆ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code

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