

♠ Practice





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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:

$$tip = 12 imes rac{20}{100} = 2.4$$

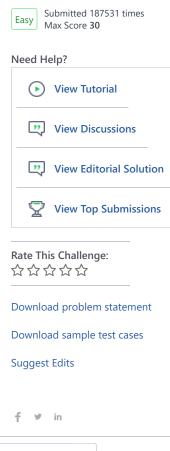
$$tax = 12 \times \frac{8}{100} = 0.96$$

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

round(totalCost) = 15

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

The total meal cost is 15 dollars.



```
Current Buffer (saved locally, editable) &
                                                                                           Java 7
 1 ▼ import java.util.*;
    import java.math.*;
 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
            // Write your calculation code here.
13
          int totalCost = (int) Math.round(mealCost + tipPercent*mealCost/100 + taxPercent*mealCost/100);
14
15
16
             System.out.println("The total meal cost is " + totalCost + " dollars.");
17
18
             // Print your result
19
        }
20
    }
                                                                                                                   Line: 14 Col: 9
1 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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