

Name: Akash Singh
Employee Code: 1874

HackerRank: 30 Days of Code
Day 2: Operators

Day 2: Operators:

Objective:

In this challenge, you will 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. Round the result to the nearest integer.

Example:

`meal_cost = 100`

`tip_percentage = 15`

`tax_percentage = 8`

A tip of $15\% * 100 = 15$, and the taxes are $8\% * 100 = 8$. Print the value and return from the function.

Function Description:

Complete the solve function in the editor below:

solve has the following parameters:

- `int meal_cost`: the cost of food before tip and tax.
- `int tip_percent`: the tip percentage.
- `int tax_percent`: the tax percentage.

Returns The function returns nothing. Print the calculated value, rounded to the nearest integer.

Solution:

```
import java.io.*;
import java.math.*;
import java.security.*;
import java.text.*;
import java.util.*;
import java.util.concurrent.*;
import java.util.function.*;
import java.util.regex.*;
import java.util.stream.*;
import static java.util.stream.Collectors.joining;
import static java.util.stream.Collectors.toList;
```

```

class Result {

    /*
     * Complete the 'solve' function below.
     *
     * The function accepts following parameters:
     * 1. DOUBLE meal_cost
     * 2. INTEGER tip_percent
     * 3. INTEGER tax_percent
     */

    public static void solve(double meal_cost, int tip_percent, int
tax_percent) {
        // Write your code here
        double tip = meal_cost * tip_percent / 100;
        double tax = meal_cost * tax_percent / 100;
        double total_cost = meal_cost + tip + tax;
        System.out.println(Math.round(total_cost));
    }

}

public class Solution {
    public static void main(String[] args) throws IOException {
        BufferedReader bufferedReader = new BufferedReader(new
InputStreamReader(System.in));

        double meal_cost =
Double.parseDouble(bufferedReader.readLine().trim());

        int tip_percent =
Integer.parseInt(bufferedReader.readLine().trim());

        int tax_percent =
Integer.parseInt(bufferedReader.readLine().trim());

        Result.solve(meal_cost, tip_percent, tax_percent);

        bufferedReader.close();
    }
}

```

Output:

Test case 0

Test case 1

Test case 2

Test case 3

Compiler Message

Success

Input (stdin)

112.00

220

38

Expected Output

115

Download

Download

ActivitiesApplicationsGoogle Chrome

MyProfile | Documents | All Knolders - Chat | Day 2: Operators | HackerRank | Settings - Privacy and se | Test-Automation-Studio | Java Math round() meth |

hackerank.com/challenges/30-operators/problem?fullScreen=true

Mon Mar 6 11:34:04 AM

86%

HackerRank

PrepareTutorials30 Days of CodeDay 2: Operators

Exit Full Screen View

Problem

Objective

In this challenge, you will 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. Round the result to the nearest integer.

Example

$meal_cost = 100$
 $tip_percent = 15$
 $tax_percent = 8$
A tip of $15\% * 100 = 15$, and the taxes are $8\% * 100 = 8$. Print the value **123** and return from the function.

Function Description

Complete the solve function in the editor below.

solve has the following parameters:

- int meal_cost: the cost of food before tip and tax
- int tip_percent: the tip percentage
- int tax_percent: the tax percentage

Returns The function returns nothing. Print the calculated value, rounded to the nearest integer.

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, meal_cost (the cost of the meal before tax and tips).

The second line has an integer, tip_percent (the percentage of mealCost being added as tip).

The third line has an integer, tax_percent (the percentage of mealCost being added as tax).

Sample Input

12.00

20

8

41bufferedReader.close();

42}

43}

44}

Line: 29 Col: 48

Upload Code as FileTest against custom input

Run CodeSubmit Code

30You have earned 30.00 points!

You are now 4 challenges away from the 2nd star for your 30 days of code badge.

20%3/7

Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

Test case 0

Compiler Message

Success

Test case 1

Test case 2

Test case 3

Input (stdin)

112.00

220

38

Expected Output

115

Download

Download

Result:

Program executed successfully .