Day 2: Operators

HackerRank

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 tip).
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
```

Sample Output

```
15
```

Explanation

Given:
$meal\_cost = 12$, $tip\_percent = 20$, $tax\_percent = 8$

Calculations:
$tip = 12 \text{ and } \frac{12}{100} \times 20 = 2.4$
$tax = 8 \text{ and } \frac{8}{100} \times 12 = 0.96$
$total\_cost = meal\_cost + tip + tax = 12 + 2.4 + 0.96 = 15.36$
$round(total\_cost) = 15$

We round $total\_cost$ to the nearest integer and print the result, 15.