Work on project. Stage 2/6: Ingredient calculator

Project: <u>Coffee Machine</u>

📊 Medium 🕐 11 minutes ❓

Description

Now let's consider a case where you need a lot of coffee. Maybe, for example, you're hosting a party with a lot of guests. The program should calculate how much water, coffee, and milk are necessary to make the specified amount of coffee. One cup of coffee made on this coffee machine contains 200 ml of water, 50 ml of milk, and 15 g of coffee beans.

The user should input the amount of coffee he needs, in cups, for all the guests.

Of course, all this coffee is not needed right now, so at this stage, the coffee machine doesn't actually make any coffee.

Instruction

Write a program that calculates the amount of ingredients needed to make a certain amount of coffee.

Examples

The example below shows how your output might look.

The symbol > represents the user input. Note that it's not part of the input.

Example 1

```
Write how many cups of coffee you will need:
> 25
For 25 cups of coffee you will need:
5000 ml of water
1250 ml of milk
375 g of coffee beans
```

Example 2

```
Write how many cups of coffee you will need:
> 125
For 125 cups of coffee you will need:
25000 ml of water
6250 ml of milk
1875 g of coffee beans
```

🗒 Report a typo

⚡ See hint

⌊ Write a program

Code Editor   **IDE**

16 / 16 Prerequisites

- ✓ <u>Types and variables</u> [In project] 20 ⚒ ⌄
- ✓ <u>Comments</u> [In project] 20 ⚒ ⌄
- ✓ <u>Coding style conventions</u> [In project] 20 ⚒ ⌄
- ✓ <u>Naming variables</u> [In project] 20 ⚒ ⌄
- ✓ <u>Scanning the input</u> [In project] 20 ⚒ ⌄

Show all

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```java
1  package machine;
2  import java.util.Scanner;
3
4  public class CoffeeMachine {
5      public static void main(String[] args) {
6          Scanner sc = new Scanner(System.in);
7          int n = sc.nextInt();
8          System.out.println("For "+n+" cups of coffee you will need:");
9          System.out.println((200*n)+" ml of water");
10         System.out.println((50*n)+" ml of milk");
11         System.out.println((15*n)+" g of coffee beans");
12         sc.close();
13     }
14 }
15
```

Java

✓ **Correct.**

Practice makes perfect. Good for you for not giving up easily!

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✓ **Correct.**

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