

# C++ Fundamentals Exam

The following tasks should be submitted to the SoftUni Judge system.

## Task 3 – Coffee shop

A new Coffee Shop recently opened in the town. Your task is to help the owner modify the menu, based on the current ratings of the drinks.

Write a **class Coffee** with the following **fields**:

- **name**: string
- **price**: double
- **rating**: double [0.00...10.00]

The class should have the following **methods**:

- **addNew()**
- **getRating()**
- **getPrice()**

Add the following functions:

- **changePrice()**
- **deleteDrink()**

Store the drinks in a vector **menu**

- If the rating is between **4** and **5.99**, lower the price of the drink with 10%.
- If the rating is lower than **4**, remove the drink from the menu.

## Input

On the **first line**, you are given a number of drinks - **an integer**.

On the **following lines**:

- **name**
- **price**
- **rating** – in range [0.00...10.00]

## Output

Print the information of the drinks from the menu – their **name** and **price**.

**Note:** Print "The menu is empty" if no drinks are left in the menu.

**Note:** All numbers are positive.

## Examples

Input	Output	Comments
5 Espresso 2.5	Espresso 2.5 Cappuccino 4 Frappe 3.5	There are 5 drinks in the menu and information for each of them is added. If the rating of a certain drink is between 4 and 5.99, the price of the drink should be reduced with 10% -> the rating of Decaf is

7 Cappuccino 4 6 Frappe 3.5 10 Decaf 3 4.3 Mochaccino 5 2	Decaf 2.7	<b>4.3 so the new price should be <math>3 - 3 \cdot 0.1 = 2.7</math></b> <b>If the rating is lower than 4, it should be removed from the menu -&gt; the rating of Mochaccino is 2 so it should be removed of the menu.</b>
6 Coffee 3 9 Cappuccino 5 4.5 Black Tea 4 8.4 Water 2 10 Latte 5 3.2 Latte Macchiato 5 6	Coffee 3 Cappuccino 4.5 Black Tea 4 Water 2 Latte Macchiato 5	