# Problem 2 – Book Orders

Bai NakMan has his own book store business. He often makes orders for new books, but the procedure is kind of complicated. You will be giventhe **number of orders N.** Each **order** holds, number of **packets, amount of books** per packet and **price** **per book.** Depending on the **number** of **packets**, you get different discount ranging from **5%** to **15%**. If the packets in the order are less than **10,** there is no discount. Otherwise they have the following discounts (**10-19 packets = 5% discount, 20-29 = 6%, 30-39 = 7%, ..., 100-109 = 14%**)**.** If the packets are **110 or more,** there is **15% discount** for all books**.** Your task is to sum how many books Bai NakMan has bought and the **end** **price** of **all** **books**. Check the examples below to understand your task better.

### Input

The input data should be read from the console.

* At the **first line** you will be given integer number **N** representing the number or orders.
* At the **next 3\*N lines** you will be given the following inputs:
  + **Book price**
  + **Number of packets**
  + **Books per packet**

The input data will always be valid and in the format described. There is no need to check it explicitly.

### Output

The output should be printed on the console. It should consist of exactly **2** lines:

* On the **first line** print the amount of all bought books
* On the **second line** print the price of all books bough, rounded to the second number after the decimal point

### Constraints

* The number of **orders**, **packets** and **books** **per** **packet** will all be integers in range [0…10000].
* The **book price** will always be a floating-point number in range [±5.0 × 10-324 … ±1.7 × 10308].
* Allowed working time for your program: 0.1 seconds.
* Allowed memory: 16 MB.

### Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 1  25  15  10.00 | 375  3525.00 | 1 order with 25 packets, each packet holds 15 books (15\*25 = 375 books) costing 10.00. For the 25 packets we have 6% discount making each book costing 9.4. All books cost 375 \* 9.4 = 3525.00 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |  | **Input** | **Output** |
| 2  60  10  8.00  150  100  15.90 | 15600  207045.00 | 2  100  4  6.88  188  7  10.88 | 1716  14537.09 |  | 2  5  4  7.24  64  8  9.86 | 532  4688.29 |

using System;

using System.Collections.Generic;

using System.Linq;

using System.Numerics;

using System.Text;

using System.Text.RegularExpressions;

class SumOfElements02

{

static void Main()

{

int orderNumbers = int.Parse(Console.ReadLine());

int bookOrdered = 0;

decimal result = 0;

int totalBookOrdered = 0;

decimal total = 0;

decimal discount = 0;

for (int i = 0; i < orderNumbers; i++)

{

int packets = int.Parse(Console.ReadLine());

int booksInPacket = int.Parse(Console.ReadLine());

decimal pricePerBook = decimal.Parse(Console.ReadLine());

bookOrdered = packets \* booksInPacket;

totalBookOrdered += bookOrdered;

if (packets<=19 && packets>=10)

{

discount = pricePerBook - (pricePerBook \* (5 / 100m));

}

else if (packets <= 29 && packets >= 20)

{

discount = pricePerBook - (pricePerBook \* 6 / 100m);

}

else if (packets <= 39 && packets >= 30)

{

discount = pricePerBook - (pricePerBook \* 7 / 100);

}

else if (packets <= 49 && packets >= 40)

{

discount = pricePerBook - (pricePerBook \* 8 / 100);

}

else if (packets <= 59 && packets >= 50)

{

discount = pricePerBook - (pricePerBook \* 9 / 100);

}

else if (packets <= 69 && packets >= 60)

{

discount = pricePerBook - (pricePerBook \* 10 / 100);

}

else if (packets <= 79 && packets >= 70)

{

discount = pricePerBook - (pricePerBook \* 11 / 100);

}

else if (packets <= 89 && packets >= 80)

{

discount = pricePerBook - (pricePerBook \* 12 / 100);

}

else if (packets <= 99 && packets >= 90)

{

discount = pricePerBook - (pricePerBook \* 13 / 100);

}

else if (packets <= 109 && packets >= 100)

{

discount = pricePerBook - (pricePerBook \* 14 / 100);

}

else if (packets >= 110 )

{

discount = pricePerBook - (pricePerBook \* (15 / 100m));

}

else if (packets<10)

{

discount = pricePerBook - 0;

}

result = packets \* booksInPacket \* discount;

total += result;

}

Console.WriteLine(totalBookOrdered);

Console.WriteLine("{0:F2}", total);

}

}