# "Programming Basics" Exam

## 5. Series

You are hired by a television company to write a program that will calculate whether the customers will be able to buy the desired TV series. You have a **budget** and **a number of TV series** that the customer wants to purchase. Each TV series has a **title** and a **price.**

Some of the series have a **discount**:

* Thrones **– 50%**
* Lucifer **– 40%**
* Protector **– 30%**
* TotalDrama **– 20%**
* Area **– 10%**

### Input

Read from the console:

* **Budget** - **a floating-point number** in the range **[10.0… 100.0]**
* **Number of series** - **n** – **a positive integer** in the range **[1… 10]**

**Read two lines for every movie series**:

* **Name** – **a string**
* **Price** - **an integer** in the range **[1.0… 15.0]**

### Output

Print one line on the console:

* If the budget is **more or equal to** **the price** of the movie series:

**"You bought all the series and left with {budget left} USD."**

* If the budget is **less** than the price of the movie series:

**"You need {budget needed} USD more to buy the series!"**

The result must be **formatted to the second digit after the decimal point!**

### Sample Input and Output

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 10  3  Thrones  5  Riverdale  5  Gotham  2 | You bought all the series and left with 0.50 USD. | You start with a budget of **10 USD** and **3** movie series. The first movie series is Thrones with a price of 5 USD. It has a 50% discount => 5 USD - 50% = **2.50 USD**  Next is Riverdale, which has no discount.  The third movie series – Gotham does not have a discount as well.  The total price for the movie series is: 2.50 + 5 + 2 = 9.50  The budget is **more than the price of all movie series**, which means you can buy them. |
| 25  6  Teen Wolf  8  Protector  5  TotalDrama  5  Area  4  Thrones  5  Lucifer  9 | You need 2.00 USD more to buy the series! |  |