## Retake exam - programming fundamentals with python

## Problem 1. Build a building

We are going to try to build a building. For that we will receive the budget, of course we have initial capital – m and after that we will receive n – the number of investors who are interested to take place in our project. In the next n-lines we will receive numbers (one at a row) – the money which investors want to give us. For every investor we must print information in the following format:

**‘Investor {number} gave us {money\_given}.’**

***Where {money\_given} is formatted two digits after the decimal point.***

If at some point we have enough money to build our building we should stop taking investors money and print:

**‘We will manage to build it. Start now! Extra money - {extra\_money}.”**

If we didn’t collect enough capital after all investors’ money we must print:

**‘Project can not start. We need {money} more.’**

### Input

You will recieve on the first 3 lines:

* **budget – the budget we need to build the building [floating number]**
* **m – the initial capital we have[floating number]**
* **n – number of investors [integer number]**

**For each investor you will receive:**

* **money – The money that this investor has given to us [floating number]**

### Output

If you have enough money at some point

* **„We will manage to build it. Start now! Extra money - {extra\_money}.”**

**Where extra\_money is the money which has left, formatted two digits after decimal point**

If you do not have enough money after all investors have invested print:

* **„Project can not start. We need {difference} more.”**

**Where {money} is the money you need to reach the planned budget, formatted two digits after decimal point.**

### Example input/output

|  |  |  |
| --- | --- | --- |
| **Вход** | **Изход** | **Обяснения** |
| 2250000  675000  3  1000000  750000  450000 | Investor 1 gave us 1000000.00.  Investor 2 gave us 750000.00.  We will manage to build it. Start now! Extra money - 175000.00. | The budget we need is 2250000. We have initial capital of 675000. We have 3 investors, so we start taking money.  675000 + 1000000 = 1675000  1675000 + 750000 = 2425000  This is enough money, so we print the information and stop collecting money. |
| 15000000  300000.99  2  2000000.37  8000000.25 | Investor 1 gave us 2000000.37.  Investor 2 gave us 8000000.25.  Project can not start. We need 4699998.39 more. |  |
| 10  5  4  4  4  3  2 |  |  |
| 15.000.000  10.000.000  3  2.500.000  2.500.000  2.000 |  |  |