# A test of "fundamentals of programming" – 20 November 2016

## Task 2. Shop for flowers

Mary wants **to buy a gift** for his son, she works in a flower shop in the store **comes an order** for flowers. Write **a program** that **calculates the amount of the contract** and **whether the profit is sufficient for the present**. Flowersso I have **the following prices**:

        **Magnolias**– **3.25** BGN

        **Hyacinths**– **4** BGN

        **Roses**- **3.50** BGN

        **Cacti**– **8** BGN

Of **the total**, Maria has to **pay 5% tax**.

### Login

The input is **read from the console** and consists of **5 lines**:

        **Number of magnolias**– **an integer** in the range **[0 ... 50]**

        **Number of Hyacinths**– **an integer** in the range **[0 ... 50]**

        **Number of roses**– **an integer** in the range **[0 ... 50]**

        **Number of cacti**– **an integer** in the range **[0 ... 50]**

        **Price of the gift**– **a real number** in the interval **[0.00 ...** **5 00.00]**

### Exit

The console should **print one line**.

        If the money **went**: " **She is left with {else} leva.**"– the amount must be **rounded to integer** (**the IP. 1.90 -> 1**).

        If the money **DOES NOT reach** : "**She will have to borrow {else} leva.**"– the amount must be **rounded to the higher whole number** (**the IP. 1.10 -> 2**).

### Sample input and output

|  |  |  |  |
| --- | --- | --- | --- |
| **Login** | **Exit** | | **Explanations** |
| 2  3  5  1  50 | S he will have to borrow 9 leva. | | **Amount**= 2 \* 3.25 + 3 \* 4 + 5 \* 3.5 + 1 \* 8 = **44 BGN**  **Taxes**= 5% of 44 = **2.20**. **Profit** - **EUR 41.80**  50 – 4 1 . 80 = **8.20 euro non-** |
| **Login** | **Exit** | **Explanations** | |
| 15  7  5  10  100 | She is left with 65 leva. | **Amount**= 15 \* 3.25 + 7 \* 4 + 5 \* 3.5 + 10 \* 8 = **174. 25 Euro**  **Taxes**= 5% of the 174.25 = **8.7125**. **Profit** - **165.5375 BGN**  165.5375 - 100 = **65.54 Euro remain** | |
|  |  |  |  |