# A test of "programming for beginners" – 28 August 2016

## Task 3 . Hotel room

Hotel offers **2 types of rooms**: **Studio and apartment**. Write a program that calculates **the price of the whole stay for Studio and apartment**. **Prices**depend on **the month** of stay:

|  |  |  |
| --- | --- | --- |
| **May and October** | **June and September** | **July and August** |
| Studio – **50** EUR/night | Studio – **75.20** EUR/night | Studio – **76** EUR/night |
| Apartment- **65** EUR/night | Suite – **68.70** EUR/night | Apartment- **77** EUR/night |

We offer the following **discounts**:

        For the **Studio**, with **more** than **7** nights in **may and October** : **5% reduction**.

        For the **Studio**, with **more** than **14** nights in **may and October** : **30% discount**.

        For the **Studio**, with **more** than **14** nights in **June and September**: **20% off**.

        The **apartment**, at **more** than **14** nights**,** **regardless of the month: 10% discount.**

### Login

The input read from **the console** and contains **exactly 2 rows**:

        The  **first** line is **the month** – **May,****June,****July,****August,****September**or**October**

        The **second** row is **the number of accommodation** – **a whole number in the range** **[0 ... 200]**

### Exit

To **print** to the console **2 line**:

        The**first row**: " **Apartment: {price for whole stay} lv.**"

        The**second line**: " **Studio: {price for whole stay} lv.**"

**The price for the whole stay formatted to the nearest two decimal places**.

### Sample input and output

|  |  |  |  |
| --- | --- | --- | --- |
| **Login** | **Exit** | **Explanations** | |
| May  15 | Apartment: 877.50 lv.  Studio: 525.00 lv. | **In may**, more than **14** nights, reducing the cost of the Studio with **30%** (50-15 = 35), and apartments – with **10%**(65 – 6.5 = 58.5).  The whole stay in **an apartment** – **BGN 877.50**.  The whole stay in **Studio** - **$525.00**. | |
| **Login** | **Exit** | **Login** | **Exit** |
| June  14 | Apartment: 961.80 lv.  Studio: 1052.80 lv. | August  20 | Apartment: 1386.00 lv.  Studio: 1520.00 lv. |

Testing of the solution: