# A test of "programming for beginners" – 7 may 2017

## Task 3 . College campus

Private school organizes camps for students during their holidays. **Depending on the type of vacation (spring, summer or winter) and the type of Group (boys/girls or mixed) the price of the hotel is different, as well as sport, who will practice students**.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Winter vacation** | **Spring break** | **Summer vacation** |
| **boys/girls** | 9.60 | 7.20 | 15 |
| **mixed group** | 10 | 9.50 | 20 |

The school receives **a discount on the final price**, **depending on the number** of students housed in hotel:

        If the number of students is **50 or more**, the school gets **50% discount**

        If the number of students is **20 or more, and at the same time less than 50**, the school receives a **15%** **discount**

        If the number of students is**10 or more, and at the same time less than 20**, the school receives **a 5% discount**

**In the table below are given the sports to be practiced according to the type of vacation and group:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Winter vacation** | **Spring break** | **Summer vacation** |
| **girls** | Gymnastics | Athletics | Volleyball |
| **boys** | Judo | Tennis | Football |
| **mixed group** | Ski | Cycling | Swimming |

**To write a program that calculates the price you will pay for school nights and prints a sport that will be practiced by the students.**

### Login

From the console read **4 rows**:

1. **The season**– **text**- **"Winter"**, **"Spring"** or **"Summer"**;

2. **Type of group**– **text** - **"boys"**, **"girls"** or **"mixed"**;

3. **Number of students**– **an integer in the range** **[1 ... 10000]**;

4. **Number of accommodation**– **an integer in the range** **[1 ... 100]**.

### Exit

The console prints **1 line**:

        **Sport**who have practiced the students and **the cost for accommodation**, which has paid the school, **formatted to the second decimal place**, in the following format:

**"{ sport } {price} lv. "**

### Sample input and output

|  |  |  |
| --- | --- | --- |
| **Login** | **Exit** | **Explanations** |
| Spring  girls  20  7 | Athletics 856.80 lv. | Spring break, a group of girls = > sports **Athletics**.  **Price of accommodation**: 20 \* 7.20 \* 7 = **1008** euro.  Students are 20 = > **15% discount**  **Final price**: 1008 – (15% of 1008) = **856.8**EUR |

|  |  |
| --- | --- |
| **Login** | **Exit** |
| Winter  mixed  9  15 | Ski 1350.00 lv. |

|  |  |
| --- | --- |
| **Вход** | **Изход** |
| Summer  boys  60  7 | Football 3150.00 lv. |

|  |  |
| --- | --- |
| **Вход** | **Изход** |
| Spring  mixed  17  14 | Cycling 2147.95 lv. |