# A test of "programming for beginners"- 2 3 July 2017

## Task 3. Final contest

After successful ranking **the Group**departs for the final race after presentation each group gets a cash prize. It depends on whether the final it is in the **Bulgaria**or in **abroad**from **the number of** **points** , which the jury is give **the season** during which the race was held.

        If the race was held in Bulgaria the monetary award is **calculated** by **multiplying** **the points** by **the number of** **participants**.

        If it was held abroad – is **multiplied** **the number of** **participants** in a **number of** **points** and **adds to them 50%** of the amount obtained.

From **the resulting** **amount** be **deducted** the costs specified in percentages relative to **the season** which has conducted:

|  |  |  |
| --- | --- | --- |
|  | **Summer** | **Winter** |
| **Bulgaria** | 5% | 8% |
| **Abroad** | 10% | 15% |

**After his return the group donates 75% by the amount, after the imputed costs, for charity, and the remaining amount shall be distributed among the members of the group.**

**To write a program that calculates how much money is given to charity and how he got each Member of the group.**

# Login

Be read from the console **4 line**:

1. **Number of dancers – an integer in the range [1 ... 10]**;

2. **Number of points - real number in interval [1. 00. 10000.00]**;

3. **Season -"summer" / "winter"**;

**4.** **Place – "Bulgaria"/"Abroad";**

# Exit

The console is printed t **2 linea**:

        **The amount**that gave to charity, formatted **to the second decimal place**

"**Charity** **- {total}**"

        **The amount**, which is received **a** dancer, formatted **to the second decimal place**

" **Money per dancer-{amount}**"

|  |  |  |  |
| --- | --- | --- | --- |
| **Login** | **Exit** | **Login** | **Exit** |
| 1  89.5  summer  Abroad | Charity - 90.62  Money per dancer - 30.21 | 25  98  winter  Bulgaria | Charity - 1690.50  Money per dancer - 22.54 |
| **Explanation** | | **Explanation** | |
| Money: 1 \* = 89.5 89.5 + 50% from 89.5 = 134.25  Money after expenses: 134.25 – 10% by 134.25 = 120.825  Money for charity: 75% by 120.825 = 90.61875  Останали пари: 120.825 - 90.61875 = 30.20625  Пари за танцьори: 30.20625 / 1 = 30.20625 | | Money : 25 \* 98 = 2450  Money after expenses: 2450 – 8% of 2450 = 2254  Money for charity: 75% by 2254 = 1690.5  Останали пари: 2254 - 1690.5 = 563.5  Пари за танцьори: 563.5 / 25 = 22.54 | |