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

## Task 3 . Velocompetition

Yet velocompetition to charity in which **players are divided into junior ("juniors") and the elder("seniors") Group**. Money mobilized from **the participation fee of cyclists**. **According to age group and type of track**on which the race will take place, **the fee is different**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Group** | **trail** | **cross-country** | **downhill** | **road** |
| **juniors** | 5.50 | 8 | 12.25 | 20 |
| **seniors** | 7 | 9.50 | 13.75 | 21.50 |

**If thecross-country "**the race **put together 50 or more participants**(**a total of** junior and senior) , **the fee is reduced by 25%**. **Organizers dedicate 5% percent of the collected amount for costs.**

### Login

From the console read **two numbers**and**one string**, each on a separate line:

        **The first row**–**the number of junior cyclists**. **An integer in the range** **[1... 100]**

        **The second row**– **the number of senior cyclists**. **An integer in the range [1 ... 100]**

        **The third row** **-** **type route-"** **trail ", " cross -country ", " downhill "**or**"** **road "**

### Exit

To **print** to the console **a number – donation amount**, **formatted with an accuracy of 2 characters after the decimal comma**.

### Sample input and output

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Login** | **Exit** | **Explanations** | | | | | |
| 10  20  trail | 185.25 | Trail fee for juniors = 5.5 and for seniors = 7  Sum = 10 \* 5.5 + 20 \* 7 = 55 + 140 = 195  Cost = 5% of 195 = 9.75  Remain = 185.25 | | | | | |
| **Login** | **Exit** | **Login** | **Exit** | **Login** | **Exit** | **Login** | **Exit** |
| 20  25  cross-country | 377.63 | 3 0  25  cross-country | 340.22 | 10  10  downhill | 247.00 | 3  40  road | 874.00 |