**"Programming Basics" Exam**

## 3. Gymnastics

At the world championship in rhythmic gymnastics, **three of the countries** appear as leaders in the ranking (**Russia, Bulgaria, and Italy**). Your task is to calculate what score was given by the jury for a particular combination, knowing the country that played and the apparatus they have used - **ribbon, hoop or rope**. For their routine, the team received **two scores: a score for difficulty and a score for performance of the routine**. The final score is the **sum of the two scores**. The table shows what difficulty and performance scores the ensembles received for each apparatus.

|  |  |  |  |
| --- | --- | --- | --- |
| **Used apparatus** | **Russia** | **Bulgaria** | **Italy** |
| **Ribbon** | Difficulty: 9.100  Performance: 9.400 | Difficulty: 9.600  Performance: 9.400 | Difficulty: 9.200  Performance: 9.500 |
| **Hoop** | Difficulty: 9.300  Performance: 9.800 | Difficulty: 9.550  Performance: 9.750 | Difficulty: 9.450  Performance: 9.350 |
| **Rope** | Difficulty: 9.600  Performance: 9.000 | Difficulty: 9.500  Performance: 9.400 | Difficulty: 9.700  Performance: 9.150 |

Write a program that **calculates the country's score on a particular apparatus and how many percent they fall short of having the maximum score of 20.**

### Input

Read **2 lines** from the console:

* **First line** – **country** – **a string (**"**Russia**"**,** "**Bulgaria**"or"**Italy**"**)**
* **Second line**– **used apparatus – a string (**"ribbon", "hoop" or "**rope**")

### Output

Print **2 lines** to the console:

* **First line:** "**The team of {country} get {total grade} on {used apparatus}.**"
* **Second line:** "**{** **the percentage they fall short of the maximum number of points }%**"

**The final grade must be formatted to the third digit after the decimal point, and the percentage must be formatted to the second digit after the decimal point.**

### Sample Input and Output

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Output** | **Comments** | |
| Bulgaria  ribbon | The team of Bulgaria get 19.000 on ribbon.  5.00% | **The grade for Bulgaria for ribbon is: 9.600 + 9.400 = 19.000**  **Remaining: 20 – 19.000 = 1 point to the maximus points, which are: (1 / 20) \* 100 = 5 %** | |
| **Input** | **Output** | **Input** | **Output** |
| Russia  rope | The team of Russia get 18.600 on rope.  7.00% | Italy  hoop | The team of Italy get 18.800 on hoop.  6.00% |