Swimmers   X75202_en

We have information about swimmers performance in competitions:

- Name (`string`)

- Country (`string`)

- Style (`string`)

- Time (`double`, in seconds)

Write a program that reads a vector of swimmers, and then allows a user to query on the winner of a particular style.

You are required to extend the following program, WITHOUT modifying or adding anything outside of the indicated places.

```cpp
#include <iostream>
#include <vector>

using namespace std;

struct Swimmer {
    string name;
    string country;
    string style;
    double time;
};

typedef vector<Swimmer> Competition;

void read_data(Competition& v) {
    // ADD YOUR CODE HERE
}

int winner(const Competition& v, string style) {
    // ADD YOUR CODE HERE
}

int main() {
    // ADD YOUR CODE HERE
}
```

Exam score: 3.000000 **Automatic part:** 100.000000%

Input

The input consists of an integer $n \geq 0$, followed by n lines, each with a swimmer information: name, country, style, time.

After the swimmers information, there is a sequence of queries. Each query is a string corresponding to a style.

Output

The output is the name, country, and time of the winner of the queried style, or a message if the style was not run. See examples for the output format.

Sample input

```
5
john germany 100butterfly 78.2
trevor usa  100butterfly 76.9
andrew usa 200free 333.2
manel spain  100butterfly 74.3
calixto brazil  100free 34.2

100free
100butterfly
jamma
200free
```

Sample output

```
Winner 100free: calixto brazil 34.2
Winner 100butterfly: manel spain 74.3
Style jamma has not been run
Winner 200free: andrew usa 333.2
```

Observation

Every swimmer in a style has a unique time.

Problem information

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