# "Programming Basics" Exam

## 6. Tournament of Christmas

Write a program that tracks your team's performance at a charity Christmas tournament. Each day, you receive **game names** until the "**Finish**" command is received. By **winning** each game you earn **20 USD** for charity. You have to **calculate how much money you have won at the end of the day**. If you have **more games won than lost** - you are the winners that day and **increase** the money from it by **10%**. At the **end of the tournament** if you were the **winner** most of the days you win the tournament and **increase** all the money you won by **20%**.

**You will never have an equal number of games won and lost.**

### Input Data

**Initially, the number of days of the tournament is read from the console - an integer in the range [1… 20]**

Until the "**Finish**" command is received, read:

* Sport – **string**

For each sport read:

* + Result – **string with options: "win" or "lose"**

### Output Data

Finally, one line is printed:

* If you **won** the tournament:

**"You won the tournament! Total money raised: {money won}"**

* If you **lost** the tournament:

**"You lost the tournament! Total money raised: {money won}"**

**Money to be formatted to the second digit after the decimal point.**

### Sample Input and Output

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| **2**  volleyball  win  football  lose  basketball  win  **Finish**  golf  win  tennis  win  badminton  win  **Finish** | You won the tournament! Total money raised: 132.00 | The tournament is for 2 days.  The first day:  We play volleyball and win -> 20 USD.  We play football and lose -> 0 USD.  We play basketball and win -> 20 USD.  We receive a Finish command and the games for the day are over. Money won 20 + 0 + 20 = 40 USD. We have more games won than lost so we increase the money from the day by 10% -> 44 USD.  Second day:  We play golf and win -> 20 USD.  We play tennis and win -> 20 USD.  We play badminton and win -> 20 USD.  We receive the command Finish and the games for the day are over. Money won 20 + 20 + 20 = 60 USD. We have only won games so we increase the money from the day by 10% -> 66 USD.  Money won from both days: 44 + 66 = 110 USD.  Since we have more wins than losses, we win the tournament and increase the money by 20% -> 132 USD. |
| **3**  darts  lose  handball  lose  judo  win  **Finish**  snooker  lose  swimming  lose  squash  lose  table tennis  win  **Finish**  volleyball  win  basketball  win  **Finish** | You lost the tournament! Total money raised: 84.00 |  |