Contents

USE PYTHON 3

Structure of folders:

- **DADSA-1**
  - **data** (contains csv files about players, tournaments and divisions)
  - **output** (folder that by default the rankings will be saved to)
  - **rounds** (contains csv files for some rounds not complete)
  - **solution** (all python files)
    - ALL CLASSES (these are in separate files)
    - CONFIG.txt – Change this to switch between rounds and test folder.
    - **entry.py – main Python file**
  - **test** (contains complete season csv files)

Changing round data:

Go to config file (shown in structure) and change "/rounds/" for "/test/" or vice versa.

How to use the system:

```
<--| MAIN MENU |-->
-------------------
Options:
0. QUIT
1. OUTPUT INFO ABOUT TENNIS
2. LOAD ALL MATCHES
3. ENTER MATCH (ALL STORED MATCHES WILL BE LOADED)
4. CALCUALTE RANKING
5. PRINT OUT CURRENT RANKING
6. PRINT OUT PRIZE MONEY
7. WRITE RANKING TO FILE
Enter command:
```

0. QUIT

Exits the system

1. OUTPUT INFO ABOUT TENNIS

Displays information about the season to the user.

```
----INFORMATION----
Season: 2017
   • TAC1 2.7
      - LADIES which is best of 2
      - MEN which is best of 3

   • TAE21 2.3
      - LADIES which is best of 2
      - MEN which is best of 3

   • TAW11 3.1
      - LADIES which is best of 2
      - MEN which is best of 3

   • TBS2 3.25
      - LADIES which is best of 2
      - MEN which is best of 3
```
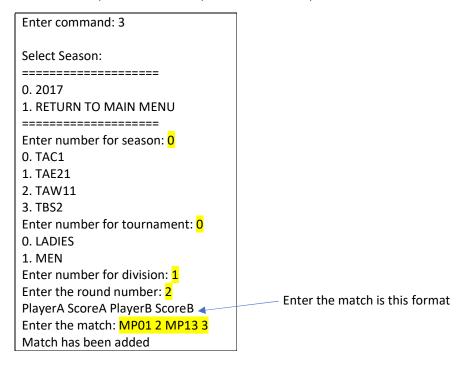
2. LOAD ALL MATCHES

Loads the matches into the system. This needs to be done before calculating ranking. Try to avoid calling this multiple times. If you get an error message follow the advice, it is likely to be because the scores aren't valid.

3. ENTER MATCH (ALL STORED MATCHES WILL BE LOADED)

Manual user input, follow the steps. Here is an example:

```
Enter command: 3

Select Season:
====================
0. 2017
1. RETURN TO MAIN MENU
====================
Enter number for season: 0
0. TAC1
1. TAE21
2. TAW11
3. TBS2
Enter number for tournament: 0
0. LADIES
1. MEN
Enter number for division: 1
Enter the round number: 2
PlayerA ScoreA PlayerB ScoreB
Enter the match: MP01 2 MP13 3
Match has been added
```

Enter the match is this format

Otherwise the error messages should be self-explanatory.

4. CALCUALTE RANKING

Calculates ranking points and prize money. Make sure you call this before printing it out.

If you get error messages, the first time you call this (and haven't used manual input) follow the advice. To check this quit the program and restart and load the matches (2) *once* then calculate (4).

If you get error messages after the first time you call this (or you have used the manual input) please ignore the errors as they aren't accurate. If you call load matches multiple times you will get these errors.

5. PRINT OUT CURRENT RANKING

Prints out the players in order of their ranking onto the console. This is done per season per division each displayed above the other.

6. PRINT OUT PRIZE MONEY

Prints out the players in order of their prize money onto the console. This is done per season per division each displayed above the other.

7. WRITE RANKING TO FILE

Outputs files (per division and season) containing the players, their rank, ranking points and prize money. I would recommend you select (5) first to check that everything has been calculated first.

The location of where the files are output is determined in the config file. By default, they are under /output/.

A PROBLEM HAS OCCURRED

There is something wrong with the config file. The file is missing/folders are wrong