

Question:

Objective: Using the provided dataset data.csv, which consists of the first 100 rows for processing, you are tasked with filling in the skeleton.py file to analyze FIFA player data based on user-provided inputs through command line arguments. Each test case corresponds to a country's name and a club's name, where you must find:

1. Common players between the specified country and club.
2. Mean wage of all players from the specified club.
3. Mean overall score of all players from the specified country.

Tasks:

1. Dataset and Preparation:

- The dataset data.csv has already been read, and the first 100 rows are selected for processing.

2. Function Definitions (in skeleton.py):

Implement functions to:

- Convert player wage strings to numeric values (convert_wage_to_numeric).
- Calculate the mean overall score of players from a specified country (mean_overall_country).
- Calculate the mean wage (converted to numeric) of players from a specified club (mean_wage_club).
- Find common players between a specified club and country (common_players).

3. Testing:

- The skeleton.py file will be tested against 10 test cases.
- Each test case consists of a command line argument pair: the first argument is the country's name and the second argument is the club's name.

Submission:

- Fill in the skeleton.py file with the implemented functions and necessary logic.
- Submit the completed skeleton.py file for evaluation.

Sample Output:

```
test@test:~/$ python3 Solution.py Argentina FC\ Barcelona
['L. Messi', 88.67, 307500.0]
test@test:~/$ python3 Solution.py Egypt Liverpool
['M. Salah', 88.0, 185000.0]
```