## Part A

1. **https://www.basketball-reference.com/players/a/**. For each player listed on this page, my crawler will enter his detail page and acquire more information if his last year is larger than 2009. For each table in player’s detail page, I set one specific crawler to get his information using the method aforementioned.
2. Here is a part of my code, you can see it in detail under folder **/spider*.***



3. For each player, I parse his basic information, performance per game, total performance, performance per 36 minutes, performance per 100 poss, advanced performance, adjusted shooting data, play-by-play data, shooting data, game highs, playoff series and his salaries. There are 12 tables in total.

## Part B

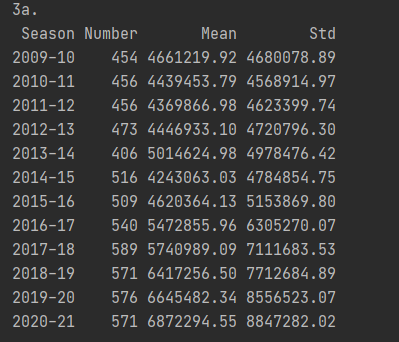
1. .
2. a) 571 (Number of players that appears in salary table in 2020-21 season)

b) SG: 199, PG: 139, C: 133, PF: 178, SF: 177

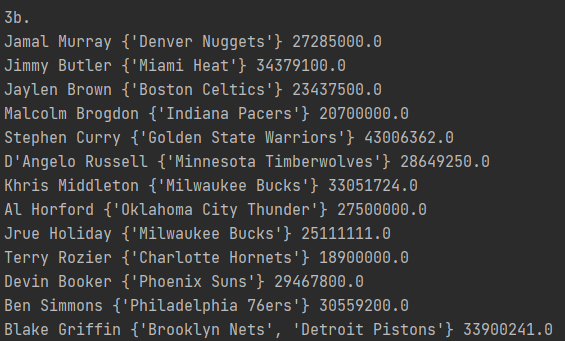
c) average age: 26.20, average weight: 217.16lb, average experience: 4.12 years, average salary: 6872294.55.

d) 22647206.79

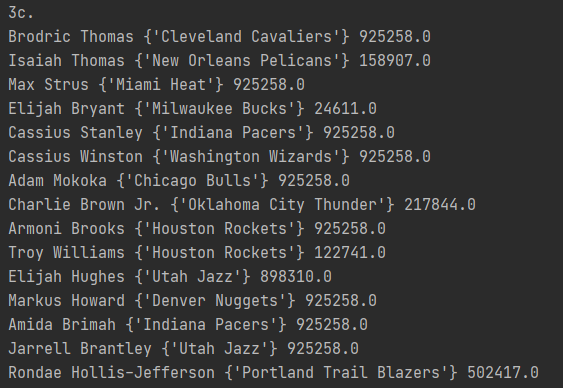
1. a) The result is showed below.



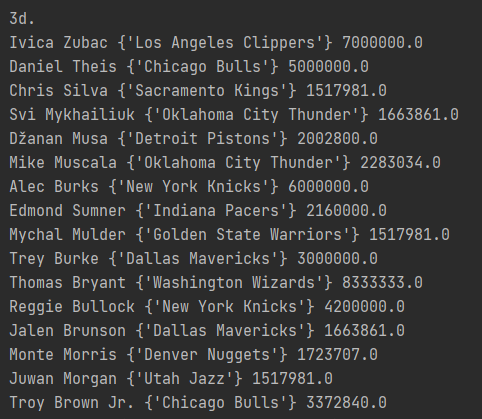
b) Part of the result is showed below. You can see the full answer in **partb.py**.



c) Part of the result is showed below. You can see the full answer in **partb.py**. Some of these players have the salary less than minimum. I change it to 925258 according to Internet.



d) Part of the result is showed below. You can see the full answer in **partb.py**.



e) Part of the result is showed below. You can see the full answer in **partb.py**.

