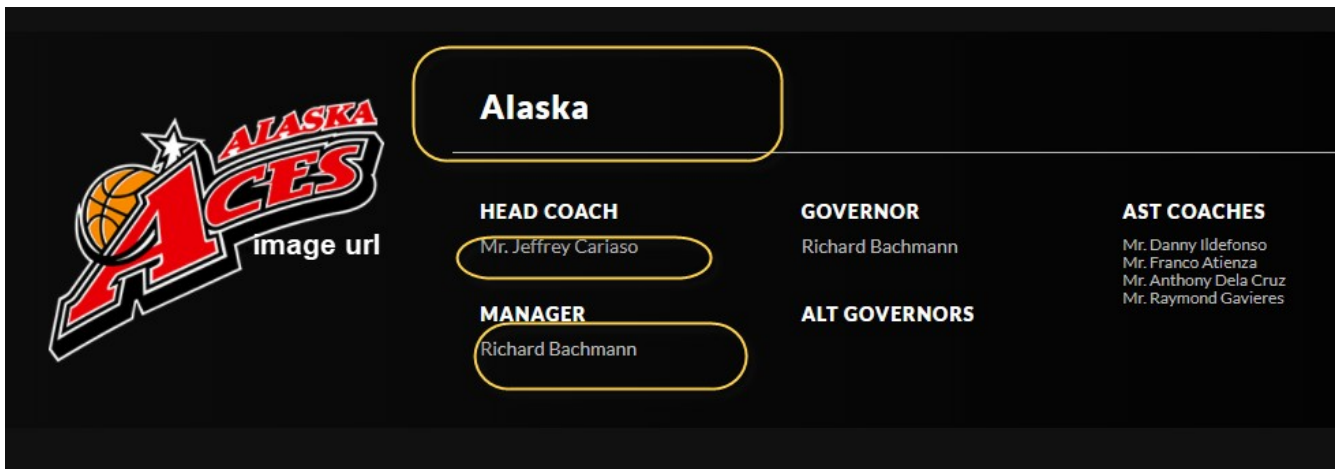


Instructions:

- 1) Please use Python 3.9.6.
- 2) Create a virtual environment for this exam using pipenv.
- 3) You are allowed to use any Python library except those that require third-party downloads (an example of this is selenium, which needs download of a web driver). Note however that this exam is designed to not be complex; 5-6 libraries (or less) should suffice.
- 4) The GitHub repository for this exam is at <https://github.com/toy-soldier/exam>. Create an account on Github, upload your solution there and share the link, along with setup instructions. Please imitate my folder structure. The “out” and “logos” folders on my repository contain sample data; your repository should have the actual data you retrieve.

The Problem:

Basically, I need 2 csv listings of all teams and players in the PBA website. If you go to <https://www.pba.ph/teams>, you will see logos of different teams. Clicking each logo will take you to the team’s website. For example, clicking on the logo of the first team brings you to <https://www.pba.ph/teams/alaska-aces>. Capture:




Also save the logo to the “logos” folder. Save the entire listing in “out/teams.csv”


For the players, going to <https://www.pba.ph/players> gives you a page with player mugshots. Clicking each mugshot will take you to the player’s profile page. For example, clicking the first mugshot takes you to <https://www.pba.ph/players/calvin-abueva>. Capture:

← → ↻ 🔒 <https://www.pba.ph/players/calvin-abueva>

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PLAYER PROFILE



CALVIN ABUEVA
MAGNOLIA HOTSHOTS PAMBANSANG MANOK
#13 / F

image url

However, the website is quite slow. Can you figure out another way to get the player list without having to go through all player profiles?

Save the player listing in “out/players.csv”.