**PLEASE SAVE ALL OF THE FILES AND SEND IT SO I CAN RUN THE CODE ON MY END. PLEASE WRITE NOTES AFTER EACH LINES TO SHOW WHAT YOU DID ON EACH LINE. PLEASE ANSWER ALL THE QUESTIONS ACCORDINGLY!**

Scrape the heights of men and women athletes from the volleyball and swimming teams from 6 colleges:

HEIGHT OF ALL THE PLAYERS ARE LISTED BELOW

* Volleyball
* Brooklyn College Men’s Volleyball Team <https://www.brooklyncollegeathletics.com/sports/mens-volleyball/roster/2019>
* Brooklyn College Women’s Volleyball Team <https://www.brooklyncollegeathletics.com/sports/womens-volleyball/roster/2019>
* Baruch College Men’s Volleyball Team  
  <https://athletics.baruch.cuny.edu/sports/mens-volleyball/roster>
* Baruch College Women’s Volleyball Team <https://athletics.baruch.cuny.edu/sports/womens-volleyball/roster>
* York College Men’s Volleyball Team  
  <https://yorkathletics.com/sports/mens-volleyball/roster>
* John Jay College Women’s Volleyball Team   
  <https://johnjayathletics.com/sports/womens-volleyball/roster>
* Swimming
* Brooklyn College Men’s Swimming Team <https://www.brooklyncollegeathletics.com/sports/mens-swimming-and-diving/roster>
* Brooklyn College Women’s Swimming Team <https://www.brooklyncollegeathletics.com/sports/womens-swimming-and-diving/roster>
* Baruch College Men’s Swimming Team   
  <https://athletics.baruch.cuny.edu/sports/mens-swimming-and-diving/roster>
* Baruch College Women’s Swimming Team <https://athletics.baruch.cuny.edu/sports/womens-swimming-and-diving/roster>
* York College Men’s Swimming Team   
  <https://yorkathletics.com/sports/mens-swimming-and-diving/roster>
* Queens College Women’s Swimming Team   
  <https://queensknights.com/sports/womens-swimming-and-diving/roster>

Create a data driven solution to answer all the questions:

Do the following task and answer the questions

1. Scrape data and compile a dataframe of all the names and heights of the players on the men’s swimming team

2. Scrape data and compile a dataframe of all the names and heights of the players on the women’s swimming team

3. Scrape data and compile a dataframe of all the names and heights of the players on the men’s volleyball team

4. Scrape data and compile a dataframe of all the names and heights of the players on the women’s volleyball team

5. Find the average height in each of the 4 dataframes (so you should have 4 averages in total)

6. List the names and the heights of the 5 tallest and the 5 shortest swimmers and volleyball players for both the men’s and women’s teams. That is you must have 8 lists in total: tallest men swimmers, tallest men volleyball players, tallest women swimmers, tallest women volleyball players, shortest men swimmers, shortest men volleyball players, shortest women volleyball players, shortest women swimmers,

7. Are you able to determine whether, in general, if the average swimmer is taller than the average volleyball player? Write a 1 page report describing this.

**Inspect the html on each page listed above. Determine which tag and class point to the players’ heights. Configure your web scraper accordingly. Use web scraping and pandas. After you have scraped the heights and have stored them in different lists, you may have to convert the data from strings to a numeric type and then perhaps to centimeters or meters to find the average.** **You may have to use a separate dataframe for each roster and then merge them into a single dataframe. For example, there are 3 rosters provided for athletes from the men’s swimming team. Create 3 dataframes (one for each roster) and then merge the 3 into a single dataframe. This will allow you to easily find the average, etc**