**Python Project for Data Science**

**Web Scraping and Beautiful Soup Exercises:**

Below are a set of 3 different exercises. Try solving them with your lines of codes first, use help of your peers if required. Answers to these exercises are provided at the end of the lesson. It is highly encouraged that you do not refer to the solution before you have tried it out yourself.

* 1

1

Write a Python program to download IMDB's Top 250 data (movie name, Initial release, director name and stars)  
URL: http://www.imdb.com/chart/top

* 2

2

The Cal Poly course catalog (http://catalog.calpoly.edu/collegesandprograms/collegeofsciencemathematics/statistics/#courseinventory) contains a list of courses offered by the Statistics department.  
Scrape this website to obtain a DataFrame, where the unit of observation is a course.  
Use this DataFrame to answer the following questions: How many 300-level courses does the Statistics department offer?

* 3

3

Collect all the tags of the professor from this URL: https://www.ratemyprofessors.com/professor/941931

**Solutions**

Attached below are the solutions to the above questions. Again, it is highly encouraged to try your own set of solutions and only refer to the one below if you get stuck. Python has different approaches to every problem, and maybe yours is a unique one!

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**Web scraping using Excel**

You have now understood how you can use Python for web scraping. Have you ever wondered if you can use Excel for Web Scraping?

Watch the video below to find out!