Homework 1: Web Scrapping

Form:	Zip file including Jupyter notebook file and images.
Language:	English
Requirements:	The report should be clear, readable and include all code documented
Contact:	simohanouna@gmail.com Shimon Hanouna
Submission:	zip file via moodle. The file name should include the students' ids
Deadline for submission:	**November 19, 2019**

Students will form teams of two people each, and submit a single homework for each team. The same score for the homework will be given to each member of the team.

Submit your solution in the form of an Jupyter notebook file (with extension ipynb). Images should be submitted as PNG or JPG files. For each question, please answer the question and describe which functions you used to address it. Document clearly your functions. Python 3.6 should be used.

The goal of this homework is to let you practice basic web scraping as well as data and basic text analysis with python.

Submission: Submission of the homework will be done via moodle by sending a zip file including Jupyter notebook with all the answers and code and images. The name of the zip file should be a concatenation of the id number of the submitting students separated by a '_' (e.g. 333003321_222333456). The homework needs to be entirely in English. The deadline for submission of Homework 1 is set to November 19, 2019 end of day Israel.

Question 1: Scrap the list of films Julia Roberts participated in from Wikipedia sorted by date. Present a readable table with the following fields per film: year, title, role and director(s).

Link: https://en.wikipedia.org/wiki/Julia_Roberts_filmography

Question 2: Scrap Wikipedia to create a list of all the actors who played with Julia Roberts on the same movie (any movie). Present a readable table with the following fields per co-actor\actress: name, year of birth, country of birth and number of awards that he\she got.

Question 3: Create a readable table which presents the number of joint movies for each co-actor\actress with Julia Roberts, and a histogram which presents the distribution of joint movies (number of co-actors per number of joint movies).

Good luck