Web Scraping

Backend:

Using BeautifulSoup, scrape this website:

"https://en.wikipedia.org/wiki/List_of_countries_by_carbon_dioxide_emissions"

Scrape the "List of countries by carbon dioxide emissions" for the data. Store the scraped data in a SQLite database.

Send the database to the front end.

Frontend:

Using the database passed from the backend, sort the data by the Fossil CO2 Emissions 2017 (% of world) column. Extract the top 10 countries data, and plot them in a pie-graph using Matplotlib.

Note: I haven't found the CSV, HTML, XML data file to scrape. If you can find it, you can use beautifulsoup mixed with Regex to scrape the file from the website, download and insert it into a SQLite database. A online-readable guideline for scraping data files from webpages:

https://automatetheboring tuff.com/2e/chapter12/

I did find a GreenHouse.csv file located here:

https://www.kaggle.com/unitednations/international-greenhouse-gas-emissions/version/1#greenhouse_gas_inventory_data_data.csv

But I haven't tried to scrape it. In addition, the data ranges from 1990-2014 for each country. If you select this file, use the 2014 value.