DSC 200 – Data Wrangling
Lab 8: Accessing Data Via API

Goals:
- Identify API assessable data sources
- Write Python scripts to access data via API

Instructions:

Several organizations make their datasets public. Some of these datasets can easily be accessed via a publicly available Application Programming Interfaces (APIs). For this lab, you are required to identify at least 2 different sources from which data can be accessed via API. Ensure that there as at least 1 source that does not require authentication and another that does. The following is good reference for public APIs: https://github.com/public-apis/public-apis.

Write a Python function for each selected data sources. Each function should connect to and extract data via the published API and create a CSV file for the dataset. You may choose to use the **csv** module or the **pandas** library for this purpose. Your program should provide a menu from which the user can select which dataset they would want to access. Remember to include pagination.

Rubric:

At least two data sources selected	10 points
A function implemented for all data sources	20 points
Menu implemented correctly	8 points
Code appropriately commented	2 points
Total	*40 points*

What to submit:
Submit a single python script containing your solution. Ensure that each function contains the documentation about the data source, the API being used, the login credentials, and all relevant information needed to test the code.