

### **Ishika Srivastava**

The problem I was solving was creating a map to plot covid cases around the world. I learned how to identify a tool to begin the code to generate and/or create a map. In addition, I learned how to identify attributes of the map and write it in a function in code. The file that contains my solution is finalproject.py. No API key is required.

### **Christine Ching**

The problem I was solving was converting the dataset into a dictionary to display the location and total number of cases for that location. The main thing I figured out was figuring out how to convert a csv file into a dictionary. In addition, I was able to figure out that using a for loop would be the best method to return all of the necessary values. In addition, I figured out how to use the break statement to make sure after the last value in the for loop it stops so the function is not in a constant loop. The file that contains my solution is in the vaxdata.py file and is under the def csv\_list(dataset) method. In addition, in order to run this code, you will need the "covid.csv" file. No API key is required.

### **Yahya Abdelhamid**

The problem I chose to solve was creating a function that would both read the csv file using pandas and sort/ filter that information to what data we specifically needed. The csv file was very large so I had to resort to filtering and using pandas visualization tools to see the data we would need to access. Using pandas to view the csv was very helpful as I could return a chart of the information provided. I learned how to use filtering in pandas and how to return the data in order of ascending country name. In order to run the data you will need the "covid.csv" file. No API key is required.