

Python for Data Analysis and Visualization (Spring 2024)

Claudia Carroll, TRIADS

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### **Class 1 Homework Exercises**

1. Explain in your own words what the following code is doing:

```
file = open("gdp_europe.csv").read()  
print(file[2])
```

2. What are the primary differences between a list and a dictionary in Python?
3. Write the code to print out all values in a column of index 8, of a csv file 'test\_data.csv', greater than 15.

4. Write the code to extract all rows with the value 89 in the column of index 8 from a csv file titled 'test\_data.csv' and print those rows to a new csv file. You should copy the header from test\_data.csv to the new csv also.

5. Write the code to extract the name 'John' from the following dictionary:

```
{'Name': 'John', 'Location': 'Manchester', 'Age': '62'}
```