CSV Module

GETTING STARTED

for line in csv reader:

print(line)

- With open is a context manager. 'Names.csv' is the name of the file that we want to parse. The r signigifes that we want to read this file as 'csv file'.
- Csv_reader = csv.reader(csv_file): the .reader function within the csv_reader variable allows us to actually read the csv_file that we have opened.
- The for loop, loops through all the lines in the csv reader and prints out each line.

print(line[2])

• This print function would print out all values that correspond with 2 index column.

next(csv_reader)

for line in csv_reader:

print(line)

• The next(csv reader) allows us to step over the first value.

WRITING IN A NEW DELIMITER

- with open('new_names.csv', 'w') as new file: This opens a new file for writing, 'w' tells us that we want to write. It is called on as new file
- Csv.writer method writes in the new_file, and changes the delimiter as a dash
- By indenting the for loop it is now in the context of the new_file.
- The for loop takes the lines within the original csv data and our csv_reader, and writes in the new lines to our csv writer.
- This creates a new file new_names.csv that uses dashes instead of a comma.
- If we wanted to change the delimiter to a tab '\t'

USING DICT READER- calling on values

- Within the csv_reader variable, csv.DictReader changes the way the lines are printed out
- When printed each value correlates to a dictionary. I.E. ('first_name', 'John')
 ('last_name', 'Doe')
- This makes it a lot easier to parse out the information that we want.
- print(line['email']) with the DictReader we are able to call on data that correlates with the key email.

•

HOW TO USE DICTWRITER

- Fieldnames are input because that is what we want to write using a dictwriter.
- Fieldnames must be passed in within the csv_writer variable.
- In order to keep the header, or field names as the first line we must input csv_writer.writeheader()
- If we wanted to delete a key, we would remove it from the field names, and input del line['email'] under for line in csv reader: