**Python Commands Cheat Sheet:**

1. python -V //checks your version
2. python //starts python’s interactive shell exit() or Ctrl-D  to exit the python shell
3. help() //list of commands. q to quit Help
4. python filename.py //runs a python file. Don’t be in the interactive shell, just cmdline prompt
5. Turtle commands drawing tool fun // <https://opentechschool.github.io/python-beginners/en/simple_drawing.html>
6. User Define Functions // <https://opentechschool.github.io/python-beginners/en/functions.html>

Reference: Python Commands for Beginners:

<https://opentechschool.github.io/python-beginners/en/getting_started.html>

**Connecting to Postgres and writing data to .csv – MVP#1**

Reference: <https://www.dataquest.io/blog/loading-data-into-postgres/>

**Setup:**

1. Make sure you have Postgres Server installed locally
2. Make sure you have pip. Pip is the python package manager
   * 1. curl [https://bootstrap.pypa.io/get-pip.py -o get-pip.py](https://bootstrap.pypa.io/get-pip.py%20-o%20get-pip.py) Sudo python get-pip.py
3. Then install the psycopg library. This allows Python to interact with Postgres
   * 1. sudo pip install psycopg2-binary

**Call Postgres and Printline in Command Line:**

import psycopg2

conn = psycopg2.connect("host=localhost dbname=postgres user=postgres password=target")

cur = conn.cursor()

cur.execute('SELECT \* FROM customer')

all = cur.fetchall()

print all

**Call Postgres and Write to .csv File**

import psycopg2

import csv

query = """

SELECT \* FROM customer ORDER BY id

"""

conn = psycopg2.connect("host=localhost dbname=postgres user=postgres password=target")

cur = conn.cursor()

cur.execute(query)

# all = cur.fetchall()

# print all

with open('result.csv', 'w') as f:

writer = csv.writer(f, delimiter=',')

for row in cur.fetchall():

writer.writerow(row)

conn.close()