

In [40]: `import psycopg2 as pg
import datetime`

connecting to the postgresql database

In [78]: `connection = pg.connect(user="postgres",
 password="****",
 host="localhost",
 database="may",
 port="5432",
)`

In [37]: `cur = connection.cursor()
cur.execute("SELECT * FROM person")
rows = cur.fetchall()
for r in rows:
 print (r)`

(2, 'Gabrila', 'Acres', 'gacres1@smh.com.au', 'Female', datetime.date(2009, 10, 29), None)
(5, 'Barrie', 'Marco', 'bar@gmail.com', 'Agender', datetime.date(2015, 7, 6), 2)
(4, 'Benoite', 'Janu', 'bjanu3@symantec.com', 'Female', datetime.date(2017, 9, 1), 1)
(3, 'Dionisio', 'Eddicott', 'deddicott2@ycombinator.com', 'Male', datetime.date(2016, 3, 15), 3)
(1, 'Melonie', 'Scopyn', 'mscopyn0@cpanel.net', 'Agender', datetime.date(2004, 8, 4), 4)

In [19]: `cur.close()`

In [23]: `cur = connection.cursor()
cur.execute("SELECT * FROM car")
rows = cur.fetchall()
for r in rows:
 print (r)`

(1, 'Hyundai', 'Elantra', Decimal('8118.17'))
(2, 'Ford', 'F-Series', Decimal('3575.86'))
(3, 'Toyota', 'TundraMax', Decimal('2180.36'))
(4, 'Chevrolet', 'Suburban 1500', Decimal('3112.80'))

In [29]: `cur.close()`

In [70]: `cur = connection.cursor()
cur.execute("INSERT INTO person(first_name, last_name, gender) VALUES ('Chukwunonso', 'Ilonze', 'Male')")
connection.commit()
cur.close()`

In [47]: `cur = connection.cursor()
cur.execute("SELECT * FROM person")
rows = cur.fetchall()
for r in rows:
 print (r)`

(2, 'Gabrila', 'Acres', 'gacres1@smh.com.au', 'Female', datetime.date(2009, 10, 29), None)
(5, 'Barrie', 'Marco', 'bar@gmail.com', 'Agender', datetime.date(2015, 7, 6), 2)
(4, 'Benoite', 'Janu', 'bjanu3@symantec.com', 'Female', datetime.date(2017, 9, 1), 1)
(3, 'Dionisio', 'Eddicott', 'deddicott2@ycombinator.com', 'Male', datetime.date(2016, 3, 15), 3)
(1, 'Melonie', 'Scopyn', 'mscopyn0@cpanel.net', 'Agender', datetime.date(2004, 8, 4), 4)
(6, 'Chukwunonso', 'Ilonze', None, 'Male', None, None)

In [71]: `cur = connection.cursor()
cur.execute("INSERT INTO person(first_name, last_name, gender) VALUES ('Precious', 'Ezuruike', 'Female')")
connection.commit()
cur.close()`

In [59]: `cur = connection.cursor()
cur.execute("SELECT * FROM person")
rows = cur.fetchall()
for r in rows:
 print (r)`

(2, 'Gabrila', 'Acres', 'gacres1@smh.com.au', 'Female', datetime.date(2009, 10, 29), None)
(5, 'Barrie', 'Marco', 'bar@gmail.com', 'Agender', datetime.date(2015, 7, 6), 2)
(4, 'Benoite', 'Janu', 'bjanu3@symantec.com', 'Female', datetime.date(2017, 9, 1), 1)
(3, 'Dionisio', 'Eddicott', 'deddicott2@ycombinator.com', 'Male', datetime.date(2016, 3, 15), 3)
(1, 'Melonie', 'Scopyn', 'mscopyn0@cpanel.net', 'Agender', datetime.date(2004, 8, 4), 4)
(8, 'Deziri', 'David', None, 'Female', None, None)

In [73]: `fname = str(input('enter your first name please: '))
lname = str(input('enter your last name please: '))
gender = str(input('enter your gender please: '))
cur = connection.cursor()
cur.execute("INSERT INTO person(first_name, last_name, gender) VALUES (%s, %s, %s)", (fname, lname, gender))
connection.commit()
cur.close()`

enter your first name please: Desire
enter your last name please: David
enter your gender please: Female

In [74]: `cur = connection.cursor()
cur.execute("SELECT * FROM person")
rows = cur.fetchall()
for r in rows:
 print (r)`

(2, 'Gabrila', 'Acres', 'gacres1@smh.com.au', 'Female', datetime.date(2009, 10, 29), None)
(5, 'Barrie', 'Marco', 'bar@gmail.com', 'Agender', datetime.date(2015, 7, 6), 2)
(4, 'Benoite', 'Janu', 'bjanu3@symantec.com', 'Female', datetime.date(2017, 9, 1), 1)
(3, 'Dionisio', 'Eddicott', 'deddicott2@ycombinator.com', 'Male', datetime.date(2016, 3, 15), 3)
(1, 'Melonie', 'Scopyn', 'mscopyn0@cpanel.net', 'Agender', datetime.date(2004, 8, 4), 4)
(12, 'Chukwunonso', 'Ilonze', None, 'Male', None, None)
(13, 'Precious', 'Ezuruike', None, 'Female', None, None)
(14, 'Desire', 'David', None, 'Female', None, None)

In [64]: `connection.close()`

In [79]: `cur = connection.cursor()
cur.execute("copy (SELECT * FROM person) TO '/Users/chukwunonsodavid/Code/PostgreSQL/pythonperson.csv' DELIMITER ',' CSV HEADER;")`

InsufficientPrivilege Traceback (most recent call last)
/var/folders/5l/z62hr1ps3wv0nnv9c1q6xddc0000gn/T/ipykernel_98364/3147654145.py in <module>
1 cur = connection.cursor()
----> 2 cur.execute("copy (SELECT * FROM person) TO '/Users/chukwunonsodavid/Code/PostgreSQL/pythonperson.csv' DELIMITER ',' CSV HEADER ;")
InsufficientPrivilege: could not open file "/Users/chukwunonsodavid/Code/PostgreSQL/pythonperson.csv" for writing: Permission denied
HINT: COPY TO instructs the PostgreSQL server process to write a file. You may want a client-side facility such as psql's \copy.

In []: