import requests  
import pandas  
import sqlite3  
import numpy  
  
data = requests.get(  
 'https://raw.githubusercontent.com/rfordatascience/tidytuesday/master/data/2019/2019-10-08/ipf\_lifts.csv').text  
  
with open('dataset.csv', 'w', encoding="utf-8") as f:  
 f.write(data)  
data = pandas.read\_csv('dataset.csv', sep=',')  
conn = sqlite3.connect('sql.db', check\_same\_thread=False, )  
cursor = conn.cursor()  
columns = ' '.join(list(data.keys())).replace(' ', ',')  
data = numpy.array(data)  
  
  
def creinsert():  
 cursor.execute(f"""CREATE TABLE IF NOT EXISTS all\_data ({columns})""")  
  
 for x in data:  
 cursor.execute("""INSERT INTO all\_data VALUES(?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?)""",  
 (x))  
 conn.commit()  
  
  
cursor.execute(  
 """SELECT MAX(best3squat\_kg),MAX(best3bench\_kg), MAX(best3deadlift\_kg)   
 FROM all\_data   
 WHERE sex='M' """)  
exer2 = cursor.fetchall()  
print('Результат другого завдання:')  
print(f"best3squat\_kg, best3bench\_kg, best3deadlift\_kg:{exer2}")  
  
cursor.execute(  
 """SELECT COUNT(place),name   
 FROM all\_data   
 WHERE place ='1'   
 GROUP BY name   
 ORDER BY COUNT(place) DESC """)  
exer3 = cursor.fetchall()  
print('Результат третього завдання:')  
for x in exer3:  
 print(x)  
  
cursor.execute(  
 """SELECT name, MAX(place\_count) as 'Count wins',division,sex

FROM(SELECT COUNT(place) as place\_count,name, division, sex

FROM all\_data

WHERE place ='1'

GROUP BY name)

GROUP BY division,sex""")  
exer4 = cursor.fetchall()  
print('Результат четвертого завдання:')  
for x in exer4:  
 print(x)

Окремо код 5-того завдання, виконаний через

MySQL-connector-python

import mysql.connector  
  
  
cnx = mysql.connector.connect(user= 'root',  
 password= 'pass',  
 host= '127.0.0.1',  
 database= 'employees')  
  
mycursor=cnx.cursor()  
  
mycursor.execute("""SELECT avg(salary), year(from\_date)  
FROM employees.salaries  
WHERE YEAR(from\_date) BETWEEN YEAR(from\_date) AND YEAR(to\_date)  
AND YEAR(from\_date)<2005  
GROUP BY YEAR(from\_date)  
ORDER BY YEAR(from\_date)""")  
exer5 = mycursor.fetchall()  
for x in exer5:  
 print(x)  
  
cnx.close()