$ python L-10.py

---------------------------------------------------

Number of passengers: (1310,)

Number of passengers with no age: (0,)

Number of passengers under the age of 1: (12,)

The cheapest fare and how many people paid it: (0.0, 17)

The most expensive fair and how many people paid it:(512.3292, 4)

---------------------------------------------------

# Source Code

import sqlite3

conn = sqlite3.connect('titanicDB.db')

curs = conn.cursor()

# 3) get number of passengers (rows in the table)

curs.execute('select count(\*) from passenger')

print('\n---------------------------------------------------\n')

print('Number of passengers: ' + str(curs.fetchone()) + '\n')

# 4) get number of passengers with no age

curs.execute('SELECT count(\*) from passenger where age = NULL')

print('Number of passengers with no age: ' + str(curs.fetchone()) + '\n')

# 5) get number of passengers under the age of 1

curs.execute('select count(\*) from passenger where age < 1')

print('Number of passengers under the age of 1: ' + str(curs.fetchone()) + '\n')

# 6) gets the cheapest fare and how many people paid it.

curs.execute('select fare, count(fare) from passenger group by fare ' +

'Having count(fare) > (select min(cnt) from (select count(fare) ' +

'as cnt from passenger group by fare))')

print('The cheapest fare and how many people paid it: ' + str(curs.fetchone()) + '\n')

# 7) gets the most expensive fare and the number of people that paid it.

curs.execute('select fare, count(fare) from passenger group by fare ' +

'Having count(fare) > (select min(cnt) from (select count(fare) ' +

'as cnt from passenger group by fare))')

print('The most expensive fair and how many people paid it:' + str(curs.fetchall()[-1]) + '\n')

print('\n---------------------------------------------------')