Kennesaw State University Department of Computer Science CS 4720 Internet Programming Mohammad Umar Assignment 2

Source Code

db.py

```
import sqlite3
from os.path import join, split

def dictionary_factory(cursor, row):
    col_names = [4[0].lower() for d in cursor.description]
    return dict(zip(col_names, row))

def getConnection():
    this dir = split(_file__)[0]
    fname = join(this_dir, 'sqlite-sakila.sq')
    conn = sqlite3.connect(fname)
    conn.row factory = dictionary_factory  # note: no parentheses
    return conn

def do_command(cmd, args=[]):
    try:
        print("Connecting...")
        conn = getConnection()
        crs = conn.cursor()
        crs.execute(cmd, args)
        return crs.fetchall()
    finally:
        conn.close()
        print("Closed")

data = do_command("select * from actor")
```

db_access.py

```
def list of all inventory():
    return do command ("select * from inventory where film id = ?", [film id])
    invent = inventory for film(film id)
allstores = list of all stores()
allfilms = list of all films()
allinventory = list of all inventory()
print (row)
print("-" * 100)
inventoryforfilm = inventory for film(999)
print (row)
print("-" * 100)
print("-" * 100)
```

```
for row in inventoryforfilmstore:
    print (row)
print("-" * 100)

countforfilm = count_rentals_for_film(999)
print("-" * 100)
print("Film Had " + str(countforfilm) + " Rentals")
print("-" * 100)
```

database.py

```
import sqlite3
conn= sqlite3.connect('sqlite-sakila.sq')
c=conn.cursor()
sql="select * from actor"
data = c.execute(sql)
for row in data:
    print(row)
    conn = sqlite3.connect('sqlite-sakila.sq')
    c = conn.cursor()
    sql = "select * from actor"
    data = c.execute(sql)
    for row in data:
        print(row)
    print("--" * 35)
    for row in data: print(row)
```

main.py

```
from db import do_command

customers = do_command("select ID, name, address from customer_list")
customer_rentals = do_command("select rental.rental_id, ID, name, address
from customer_list inner join rental on rental.customer_id=ID")

for row in customers:
    print(row)

#for row in customer_rentals:
# print(row)
```

Screenshots







