# python script for milestone #2

#Python imports needed

import mysql.connector

from mysql.connector import errorcode

# Database config object

config = {

"user": "movies\_user",

"password": "popcorn",

"host": "127.0.0.1",

"database": "movies",

"raise\_on\_warnings": True

}

# Connection test code

try:

db = mysql.connector.connect(\*\*config)

# Query from tables in movies database

cursor = db.cursor()

# Query all fields from studio table

cursor.execute("SELECT studio\_id, studio\_name FROM studio;") # selecting fields from studio table

print("-- DISPLAYING Studio RECORDS --")

studios = cursor.fetchall()

for studio in studios:

print("Studio ID: {}\nStudio Name: {}\n".format(studio[0], studio[1]))

# Query all fields from genre table

cursor.execute("SELECT genre\_id, genre\_name FROM genre;")

print("-- DISPLAYING Genre RECORDS --")

genres = cursor.fetchall()

for genre in genres:

print("Genre ID: {}\nGenre Name: {}\n".format(genre[0], genre[1]))

# Query movie names for movies that have runtime less than 2 hours

cursor.execute("SELECT film\_name, film\_runtime FROM film WHERE film\_runtime < 120;")

print("-- DISPLAYING Short Film RECORDS --")

short\_films = cursor.fetchall()

for short\_film in short\_films:

print("Film Name: {}\nRuntime: {}\n".format(short\_film[0], short\_film[1]))

# Query film names and directors ordered by director

cursor.execute("SELECT film\_name, film\_director From film ORDER BY film\_director;")

print("-- DISPLAYING Director RECORDS in Order--")

directors = cursor.fetchall()

for director in directors:

print("Film Name: {}\nDirector: {}\n".format(director[0], director[1]))

except mysql.connector.Error as err:

if err.errno == errorcode.ER\_ACCESS\_DENIED\_ERROR:

print(" The supplied username or password are invalid")

elif err.errno == errorcode.ER\_BAD\_DB\_ERROR:

print(" The specified database does not exist")

else:

print(err)

finally:

db.close()