**Week 6 Module 7.2 Assignment Movies: Table Queries**

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CSD310-H323 Database Development and Use (2255-DD)

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Git Hub repository Link:

<https://github.com/Juan551School/csd-310>

Code from Python Program

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# Module 6.2 JSON Practice

# movies\_queries.py

import mysql.connector

from mysql.connector import errorcode

# Connect to the database

try:

db = mysql.connector.connect(

host="localhost", # hostname

user="root", # MySQL username

password="Powerful@2025", # MySQL password

database="movies" # Movies Database

)

cursor = db.cursor()

# 1. Display Studio Records

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

query = "SELECT studio\_id, studio\_name FROM studio"

cursor.execute(query)

studios = cursor.fetchall()

for studio in studios:

print("Studio ID: {}".format(studio[0]))

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

# 2. Display Genre Records

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

query = "SELECT genre\_id, genre\_name FROM genre"

cursor.execute(query)

genres = cursor.fetchall()

for genre in genres:

print("Genre ID: {}".format(genre[0]))

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

# 3. Display Short Film Records (Runtime < 120 minutes)

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

query = "SELECT film\_name, film\_runtime FROM film WHERE film\_runtime < 120"

cursor.execute(query)

short\_films = cursor.fetchall()

for film in short\_films:

print("Film Name: {}".format(film[0]))

print("Runtime: {}\n".format(film[1]))

# 4. Display Director Records in Order

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

query = """

SELECT film\_name, film\_director

FROM film

ORDER BY film\_director

"""# MySQL Command Line: Select Query:

cursor.execute(query)

directors = cursor.fetchall()

for film in directors:

print("Film Name: {}".format(film[0]))

print("Director: {}\n".format(film[1]))

except mysql.connector.Error as err:

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

print("The username or password is invalid")

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

print("The database does not exist")

else:

print(err)

finally:

cursor.close()

db.close()

Picture of program running

