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Assignment: Movies: Table Queries [Module 7.2 Assignment of (Module 7: SQL Queries Using Python)]

Github link : https://github.com/SharmaArun017/CSD310.git

Pyhton code: -

import mysql.connector

# Connect to the MySQL database

db = mysql.connector.connect(

host="localhost",

user="root",

password="8gY&7LzW2q!",

database="movies"

)

cursor = db.cursor()

# Query 1: Select all fields from the studio table

query1 = "SELECT \* FROM studio;"

cursor.execute(query1)

results1 = cursor.fetchall()

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

for result in results1:

print(f"Studio 1D: {result[0]}")

print(f"Studio Name: {result[1]}")

print()

# Query 2: Select all fields from the genre table

query2 = "SELECT \* FROM genre;"

cursor.execute(query2)

results2 = cursor.fetchall()

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

for result in results2:

print(f"Genre ID: {result[0]}")

print(f"Genre Name: {result[1]}")

print()

# Query 3: Select movie names with a runtime of less than two hours

query3 = "SELECT film\_name, film\_runtime FROM film WHERE film\_runtime < 120;"

cursor.execute(query3)

results3 = cursor.fetchall()

print("~- DISPLAYING Short FAIm RECORDS --")

for result in results3:

print(f"E12m Name: {result[0]}")

print(f"Runtine: {result[1]}")

print()

# Query 4: Get a list of film names and directors grouped by director

query4 = "SELECT film\_director, film\_name FROM film ORDER BY film\_director;"

cursor.execute(query4)

results4 = cursor.fetchall()

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

for result in results4:

print(f"Film Name: {result[1]}")

print(f"Director: {result[0]}")

print()

# Close the cursor and connection

cursor.close()

db.close()

Output :

