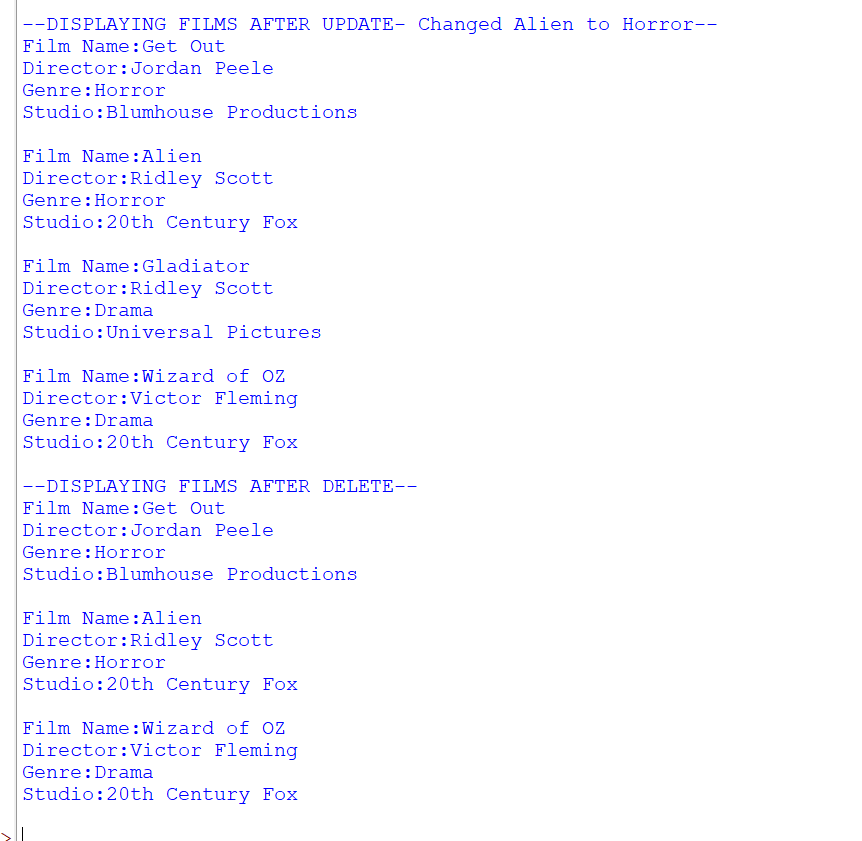
Margaret Shimerdla

Module 8.2 Assignment

April 27, 2024



#Margaret Shimerdla

#Module 8.2 Assignment

#Database Development & Use

#import mysql database

import mysql.connector

db=mysql.connector.connect(

host="localhost",

user="root",

password="Summertime2025!",

database="movies"

)

print(db)

#print films currently in table

print("--DISPLAYING FILMS--")

#Create a cursor object

cursor=db.cursor()

#inner join tables

cursor.execute("SELECT film\_name,film\_director,genre\_name,studio\_name \

FROM film INNER JOIN genre ON film.genre\_id=genre.genre\_id \

INNER JOIN studio ON film.studio\_id=studio.studio\_id")

#get results from the cursor object

films=cursor.fetchall()

#iterate over film data and display results

for film in films:

print("Film Name:{}\nDirector:{}\nGenre:{}\nStudio:{}\n".format \

(film[0],film[1],film[2],film[3]))

#print films after inserting new film

print("--DISPLAYING FILMS AFTER INSERT--")

#where new film is being inserted and values

sql="INSERT INTO film (film\_name, film\_ReleaseDate,film\_runtime, film\_director, studio\_id, genre\_id) \

VALUES(%s, %s, %s,%s,%s,%s)"

#information of values

values=("Wizard of OZ", 1939, 101, "Victor Fleming", 1,3)

#enter new info for tables

cursor.execute(sql, values)

#commit

db.commit()

#cursor object

cursor=db.cursor()

#cursor print new films after insertion

cursor.execute("SELECT film\_name,film\_director,genre\_name,studio\_name \

FROM film INNER JOIN genre ON film.genre\_id=genre.genre\_id \

INNER JOIN studio ON film.studio\_id=studio.studio\_id")

films=cursor.fetchall()

for film in films:

print("Film Name:{}\nDirector:{}\nGenre:{}\nStudio:{}\n".format \

(film[0],film[1],film[2],film[3]))

#print films after update

print("--DISPLAYING FILMS AFTER UPDATE- Changed Alien to Horror--")

#updated values

sql="UPDATE film SET genre\_id = %s WHERE film\_name =%s"

val=("1","Alien")

#cursor update new values

cursor.execute(sql, val)

#commit to database

db.commit()

#cursor object

cursor=db.cursor()

#cursor print new films after update

cursor.execute("SELECT film\_name,film\_director,genre\_name,studio\_name \

FROM film INNER JOIN genre ON film.genre\_id=genre.genre\_id \

INNER JOIN studio ON film.studio\_id=studio.studio\_id")

films=cursor.fetchall()

for film in films:

print("Film Name:{}\nDirector:{}\nGenre:{}\nStudio:{}\n".format \

(film[0],film[1],film[2],film[3]))

#print films after deletion

print("--DISPLAYING FILMS AFTER DELETE--")

sql="DELETE FROM film WHERE film\_id='32'"

#cursor execute deletion

cursor.execute(sql)

#commit to database

db.commit()

#cursor object

cursor=db.cursor()

#cursor print new films after deletion

cursor.execute("SELECT film\_name,film\_director,genre\_name,studio\_name \

FROM film INNER JOIN genre ON film.genre\_id=genre.genre\_id \

INNER JOIN studio ON film.studio\_id=studio.studio\_id")

films=cursor.fetchall()

for film in films:

print("Film Name:{}\nDirector:{}\nGenre:{}\nStudio:{}\n".format \

(film[0],film[1],film[2],film[3]))

