

Stella Kemp
2/15/2025
Database Development
Module 8.2

Director: Jordan Peele
Genre Name ID: Horror
Studio Name: Blumhouse Productions

Film Name: Oppenheimer
Director: Christopher Nolan
Genre Name ID: Drama
Studio Name: Universal Pictures

Film Name: Galdiator
Director: Ridley Scott
Genre Name ID: Drama
Studio Name: Universal Pictures

Database user root connected to MySQL on host localhost with database movies

Database user root connected to MySQL on host localhost with database movies
-- DISPLAYING FILMS AFTER UPDATE - Changed Alien to Horror --
Film Name: Alien
Director: Ridley Scott
Genre Name ID: Horror
Studio Name: 20th Century Fox

Film Name: Get Out
Director: Jordan Peele
Genre Name ID: Horror
Studio Name: Blumhouse Productions

Film Name: Oppenheimer
Director: Christopher Nolan
Genre Name ID: Drama
Studio Name: Universal Pictures

Film Name: Galdiator
Director: Ridley Scott
Genre Name ID: Drama
Studio Name: Universal Pictures

Database user root connected to MySQL on host localhost with database movies

Database user root connected to MySQL on host localhost with database movies
-- DISPLAYING FILMS AFTER DELETE --
Film Name: Alien
Director: Ridley Scott
Genre Name ID: Horror
Studio Name: 20th Century Fox

Film Name: Get Out
Director: Jordan Peele
Genre Name ID: Horror
Studio Name: Blumhouse Productions

Film Name: Oppenheimer
Director: Christopher Nolan
Genre Name ID: Drama
Studio Name: Universal Pictures

Film Name: Galdiator
Director: Ridley Scott
Genre Name ID: Drama
Studio Name: Universal Pictures

stella@LM9H67NC69 module-8 %

```
module:8 > movies_update_and_delete.py > ...
18 def db_connect():
19     config = {
20         "user": secrets["USER"],
21         "password": secrets["PASSWORD"],
22         "host": secrets["HOST"],
23         "database": secrets["DATABASE"],
24         "raise_on_warnings": True #not in .env file
25     }
26     try:
27         db = mysql.connector.connect(**config)
28         print("\n Database user {} connected to MySQL on host {} with database {}".format(config["user"], config["host"], config["database"]))
29     except mysql.connector.Error as err:
30         if err.errno == errorcode.ER_ACCESS_DENIED_ERROR:
31             print(" The supplied username or password are invalid")
32         elif err.errno == errorcode.ER_BAD_DB_ERROR:
33             print(" The specified database does not exist")
34         else:
35             print(err)
36     return db
37
38 def show_films(cursor, title):
39     db = cursor
40     cursor = db.cursor()
41     cursor.execute("select film_name as Name, film_director as Director, genre_name as Genre, studio_name as 'Studio Name' FROM film INNER JOIN genre on film.genre_id=genre.genre_id INNER JOIN studio on film.studio_id=studio.studio_id")
42     films = cursor.fetchall()
43     print("\n-- (title) --")
44     for film in films:
45         print("\nFilm Name: {film[0]}\nDirector: {film[1]}\nGenre Name ID: {film[2]}\nStudio Name: {film[3]}\n")
46
47 def insert_films(cursor):
48     db = cursor
49     cursor = db.cursor()
50     cursor.execute("INSERT INTO film (film_name, film_director, film_releaseDate, film_runtime, studio_id, genre_id) VALUES ('Oppenheimer', 'Christopher Nolan', 2023, 180, 3, 3)")
51     db.commit()
52     show_films(db_connect(), "DISPLAYING FILMS AFTER INSERT")
53
54 def update_films(cursor):
55     db = cursor
56     cursor = db.cursor()
57     cursor.execute("UPDATE film SET genre_id = 1 WHERE film_name = 'Alien'")
58     db.commit()
59     show_films(db_connect(), "DISPLAYING FILMS AFTER UPDATE - Changed Alien to Horror")
60
61 def delete_films(cursor):
62     db = cursor
63     cursor = db.cursor()
64     cursor.execute("DELETE FROM film WHERE film_name = 'Gladiator'")
65     db.commit()
66
67 show_films(db_connect(), "INTERACTING WITH MOVIE RECORDS")
68
69 #main
70 if __name__ == '__main__':
71     insert_films(db_connect())
72     update_films(db_connect())
73     delete_films(db_connect())
74     show_films(db_connect(), "DISPLAYING FILMS AFTER ALL INTERACTIONS")
75
76 #end
77
78 #main
79 if __name__ == '__main__':
80     insert_films(db_connect())
81     update_films(db_connect())
82     delete_films(db_connect())
83     show_films(db_connect(), "DISPLAYING FILMS AFTER ALL INTERACTIONS")
84
85 #end
```

stellaLM9H67NC69 module:8 % python3 movies_update_and_delete.py

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-- DISPLAYING FILM RECORDS --

Film Name: Alien
Director: Ridley Scott
Genre Name ID: Horror
Studio Name: 20th Century Fox

Film Name: Get Out
Director: Jordan Peele
Genre Name ID: Horror
Studio Name: Blumhouse Productions

Film Name: Gladiator
Director: Ridley Scott
Genre Name ID: Drama
Studio Name: Universal Pictures

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-- DISPLAYING FILMS AFTER INSERT --

Film Name: Alien
Director: Ridley Scott
Genre Name ID: Horror
Studio Name: 20th Century Fox

Film Name: Get Out
Director: Jordan Peele
Genre Name ID: Horror
Studio Name: Blumhouse Productions

Film Name: Oppenheimer
Director: Christopher Nolan
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