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In [37]: import pymysql
import mysql.connector as sql
mydb= sql.connector
        host='localhost',
        user='root',
        passwd='Colonies6)',
        database='mydatabase',
        use_pure= True
    )
    print (mydb)

<mysql.connector.connection.MySQLConnection object at 0x0000020116B1E520>

In [2]: #mycursor.execute('SET [GLOBAL | SESSION] TRANSACTION { ISOLATION LEVEL level | access_mode}')

In [38]: mycursor= mydb.cursor()

In [12]: #mycursor.execute('CREATE DATABASE SGAE Practica')

In [39]: mycursor.execute('START TRANSACTION') ;
mycursor.execute('transaction-isolation' == 'READ COMMITTED')

In [40]: mycursor.execute('SHOW DATABASES')

In [41]: for bd in mycursor:
    print(bd)

('information_schema',)
('movies',)
('mydatabase',)
('mysql',)
('new_schema',)
('performance_schema',)
('sakila',)
('sgae_practica',)
('sys',)
('world',)

In [42]: mycursor.execute('USE SGAE Practica');

In [43]: print(mycursor)

MySQLCursor: USE SGAE Practica

In [9]: #SET TRANSACTION

In [ ]: mycursor.execute('CREATE SCHEMA movies')

In [14]: mycursor.execute("CREATE TABLE movies.tb_genre(genre_id INTEGER NOT NULL, genre_name VARCHAR(40) NOT NULL, created_by_user VARCHAR(10) NOT NULL DEFAULT 'OS_SGAD'

In [ ]: mycursor.execute("CREATE TABLE movies.tb_movie(movie_id INTEGER NOT NULL, movie_title VARCHAR(100) NOT NULL, movie_date DATE, movie_format VARCHAR(50), movie_

In [19]: mycursor.execute("CREATE TABLE movies.tb_role(role_id INTEGER NOT NULL, role_name VARCHAR(60) NOT NULL, created_by_user VARCHAR(10) NOT NULL DEFAULT 'OS_SGAD'

In [20]: mycursor.execute("CREATE TABLE movies.tb_person ( person_id INTEGER NOT NULL, person_name VARCHAR(100) NOT NULL, person_country VARCHAR(40), person_dob DATE NOT

In [14]: mycursor.execute("CREATE TABLE movies.tb_movie_person(movie_id INTEGER NOT NULL, person_id INTEGER NOT NULL, role_id INTEGER NOT NULL, movie_award_ind CHAR(1)

In [16]: mycursor.execute("COMMIT")

In [15]: mycursor.execute("INSERT INTO movies.tb_genre(genre_id,genre_name) VALUES(1, 'Acción')")

In [17]: mycursor.execute("INSERT INTO movies.tb_genre(genre_id, genre_name)VALUES ( 2, 'Ciencia Ficción'),(3, 'Comedia')")

In [18]: mycursor.execute("INSERT INTO movies.tb_genre(genre_id, genre_name)VALUES (4, 'Drama')")

In [19]: mycursor.execute("INSERT INTO movies.tb_genre (genre_id, genre_name, created_by_user) VALUES ( 5, 'Fantasia', 'apermag')")

In [20]: mycursor.execute("INSERT INTO movies.tb_genre (genre_id, genre_name, created_by_user, created_date, updated_date) VALUES ( 6, 'Melodrama', 'apermag', '2018-09-08'

In [21]: mycursor.execute("INSERT INTO movies.tb_genre (genre_id, genre_name) VALUES ( 7, 'Musical'), (8, 'Romance'), (9, 'Suspense'), (10, 'Terror'), (11, 'Bélico')")

In [22]: mycursor.execute("INSERT INTO movies.tb_movie (movie_id, movie_title, movie_date, movie_format, movie_genre_id) VALUES ( 1, 'Apocalypse Now', '1979-05-10', 'Film',

In [23]: mycursor.execute("INSERT INTO movies.tb_role (role_id, role_name) VALUES ( 1, 'Actor'),( 2, 'Director'), ( 3, 'Productor'), ( 4, 'Guionista'), ( 5, 'Música')")

In [24]: mycursor.execute("INSERT INTO movies.tb_person (person_id, person_name, person_country, person_dob, person_dod, person_parent_id) VALUES ( 1, 'Francis Ford Coppola', 'United States', '1934-04-23', '2019-06-18', 0)

In [25]: mycursor.execute("INSERT INTO movies.tb_movie_person (movie_id, person_id, role_id, movie_award_ind) VALUES ( 1, 1, 2, 'Y'),( 1, 1, 3, 'N'), ( 1, 1, 5, 'N'),( 1, 1, 6, 'N')

In [80]: mycursor.execute("COMMIT")

In [27]: # S'ha creat primer l'estructura de la base de dades,i després lo propi amb les taules, configurant el tipus de dada que resideix en cada columna i les seves restriccions

In [18]: mycursor.execute("SELECT person_name,person_country,person_dod FROM movies.tb_person WHERE DATE(person_dod = NULL)")

In [19]: mycursor.fetchall()

Out[19]: []

In [20]: mycursor.execute("SELECT person_name, person_country, person_dob, IFNULL(person_dod,0) FROM movies.tb_person ORDER BY person_dob ")

In [21]: mycursor.fetchall()

Out[21]: [('Alfred Joseph Hitchcock',
'United Kingdom',
datetime.date(1899, 8, 13),
('Marlon Brando', 'United States', datetime.date(1924, 4, 3), '2004-07-01'),
('John Williams', 'United States', datetime.date(1928, 8, 8), '0'),
('Vera Miles', 'United States', datetime.date(1929, 8, 23), '0'),
('Sean Connery', 'Scotland', datetime.date(1930, 7, 8), '0'),
('Robert Duvall', 'United States', datetime.date(1931, 1, 5), '0'),
('Anthony Perkins', 'United States', datetime.date(1934, 4, 4), '1992-09-08'),
('Morgan Freeman', 'United States', datetime.date(1935, 10, 1), '0'),
('Francis Ford Coppola', 'United States', datetime.date(1939, 4, 7), '0'),
('Gary Kurtz', 'United States', datetime.date(1940, 7, 27), '0'),
('Martin Sheen', 'United States', datetime.date(1940, 8, 3), '0'),
('Harrison Ford', 'United States', datetime.date(1942, 7, 13), '0'),
('George Lucas', 'United States', datetime.date(1944, 5, 14), '0'),
('Hector Colome', 'Spain', datetime.date(1944, 10, 25), '2015-02-28'),
('Carmine Coppola', 'United States', datetime.date(1945, 7, 8), '0'),
('Steven Spielberg', 'United States', datetime.date(1946, 12, 18), '0'),
('Tim Robbins', 'United States', datetime.date(1949, 6, 7), '0'),
('Mel Gibson', 'Australia', datetime.date(1950, 8, 9), '0'),
('Tom Hanks', 'United States', datetime.date(1956, 7, 9), '0'),
('Emilio Martinez Lazaro', 'Spain', datetime.date(1956, 9, 9), '0'),
('Karra Elejalde', 'Spain', datetime.date(1960, 3, 6), '0'),
('Emilio Estevez', 'United States', datetime.date(1962, 5, 12), '0'),
('Ramón Estevez', 'United States', datetime.date(1963, 8, 7), '0'),
('Carmen Machi', 'Spain', datetime.date(1964, 8, 9), '0'),
('Charlie Sheen', 'United States', datetime.date(1965, 9, 3), '0'),
('Renée Estevez', 'United States', datetime.date(1967, 4, 2), '0'),
('Catherine Zeta-Jones', 'Wales', datetime.date(1969, 9, 25), '0'),
('Robert Alamo', 'Spain', datetime.date(1970, 5, 6), '0'),
('Daniel Sanchez Arevalo', 'Spain', datetime.date(1978, 6, 8), '0'),
('Quim Gutiérrez', 'Spain', datetime.date(1981, 3, 27), '0'),
('Veronica Echegui', 'Spain', datetime.date(1983, 3, 14), '0'),
('Taylor Levi Estevez', 'United States', datetime.date(1984, 6, 22), '0'),
('Dani Rovira', 'Spain', datetime.date(1984, 7, 1), '0'),
('Paula Speert Sheen', 'United States', datetime.date(1986, 1, 6), '0'),
('Paloma Rae Estevez', 'United States', datetime.date(1986, 2, 15), '0'),
('Clara Lago', 'Spain', datetime.date(1986, 4, 17), '0'),
('Patrick Criado', 'Spain', datetime.date(1995, 9, 23), '0'),
('Paula Jones-Sheen', 'United States', datetime.date(2003, 7, 6), '0'),
('Sam Sheen', 'United States', datetime.date(2004, 3, 9), '0'),
('Lola Sheen', 'United States', datetime.date(2005, 6, 1), '0'),
('Bob Sheen', 'United States', datetime.date(2009, 5, 1), '0'),
('Max Sheen', 'United States', datetime.date(2009, 5, 1), '0')]]

In [22]: mycursor.execute("SELECT genre_name FROM movies.tb_genre")

In [23]: mycursor.fetchall()

Out[23]: [('Acción',),
('Ciencia Ficción',),
('Comedia',),
('Drama',),
('Fantasia',),
('Melodrama',),
('Musical',),
('Romance',),
('Suspense',),
('Terror',),
('Bélico',),
('Documental',)]

In [24]: mycursor.execute("SELECT COUNT(genre_name) FROM movies.tb_genre")

In [ ]: mycursor.execute("SELECT * FROM ")#nom persona i nombre màxim de rols x peli dins la amteixa.

In [29]: mycursor.fetchall()

Out[29]: []

In [62]: mycursor.execute("SELECT person_name, count(*) role_id FROM movies.tb_person,movies.tb_movie_person GROUP BY person_name")

In [63]: mycursor.fetchall()

Out[63]: [('Taylor Levi Estevez', 50),
('Paloma Rae Estevez', 50),
('Paula Jones-Sheen', 50),
('Lola Sheen', 50),
('Sam Sheen', 50),
('Max Sheen', 50),
('Bob Sheen', 50),
('Paula Speert Sheen', 50),
('Renée Estevez', 50),
('Ramón Estevez', 50),
('Emilio Estevez', 50),
('Charlie Sheen', 50),
('Tim Robbins', 50),
('Morgan Freeman', 50),
('Mel Gibson', 50),
('Sean Connery', 50),
('Patrick Criado', 50),
('Veronica Echegui', 50),
('Hector Colome', 50),
('Robert Alamo', 50),
('Quim Gutiérrez', 50),
('Daniel Sanchez Arevalo', 50),
('Karra Elejalde', 50),
('Carmen Machi', 50),
('Clara Lago', 50),
('Dani Rovira', 50),
('Emilio Martinez Lazaro', 50),
('Vera Miles', 50),
('Anthony Perkins', 50),
('Alfred Joseph Hitchcock', 50),
('Catherine Zeta-Jones', 50),
('Tom Hanks', 50),
('John Williams', 50),
('Steven Spielberg', 50),
('Gary Kurtz', 50),
('George Lucas', 50),
('Harrison Ford', 50),
('Martin Sheen', 50),
('Robert Duvall', 50),
('Marlon Brando', 50),
('Carmine Coppola', 50),
('Francis Ford Coppola', 50)]

In [ ]: mycursor.execute("INSERT INTO movies.tb_genre(genre_id, genre_name)VALUES (69, 'Documental')")

In [ ]: mycursor.execute("DELETE FROM movies.tb_movie WHERE movie_id= '11'")

In [30]: mycursor.execute("UPDATE movies.tb_movie SET movie_genre_id = 8 WHERE movie_title='Ocho apellidos Catalanes'")

In [33]: mycursor.execute("SELECT * FROM movies.tb_movie")

In [34]: mycursor.fetchall()

Out[34]: [(1,
'Apocalypse Now',
datetime.date(1979, 5, 10),
'Film',
11,
'OS_SGAD',
None,
None),
(2,
'Star Wars:Episode IV - A New Hope',
datetime.date(1977, 5, 25),
'Film',
2,
'OS_SGAD',
None,
None),
(3,
'Indiana Jones and the Temple of Doom',
datetime.date(1984, 5, 8),
'Film',
1,
'OS_SGAD',
None,
None),
(4,
'The Terminal',
datetime.date(2004, 6, 18),
'Digital',
3,
'OS_SGAD',
None,
None),
(5, 'Jaws', datetime.date(1975, 1, 1), 'Film', 10, 'OS_SGAD', None, None),
(6, 'ET The Extraterrestrial', datetime.date(1982, 7, 25), 'Film', 5, 'OS_SGAD', None, None),
(7, 'Psycho', datetime.date(1960, 5, 6), 'Film', 9, 'OS_SGAD', None, None),
(8, 'Ocho Apellidos Vascos', datetime.date(2014, 3, 14), 'Digital', 3, 'OS_SGAD', None, None),
(9, 'Ocho Apellidos Catalanes', datetime.date(2016, 6, 9), 'Digital', 8, 'OS_SGAD', None, None),
(10, 'El otro lado de la cama', datetime.date(2002, 9, 4), 'Digital', 8, 'OS_SGAD', None, None),
(11, 'La Gran Familia Española', datetime.date(2012, 10, 15), 'Digital', 3, 'OS_SGAD', None, None),
(12, 'El día de la bestia', datetime.date(1994, 12, 25), 'Film', 1, 'OS_SGAD', None, None),
(13, 'Braveheart', datetime.date(1995, 8, 8), 'Film', 4, 'OS_SGAD', None, None),
(14, 'The Shawshank Redemption', datetime.date(1992, 1, 7), 'Film', 4, 'OS_SGAD', None, None),
(15, 'Las brujas de Zugarramurdi', datetime.date(2009, 10, 7), 'Digital', 9, 'OS_SGAD', None, None),
(16, 'Blade Runner', datetime.date(1982, 12, 25), 'Digital', 2, 'OS_SGAD', None, None)]

In [ ]: 
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