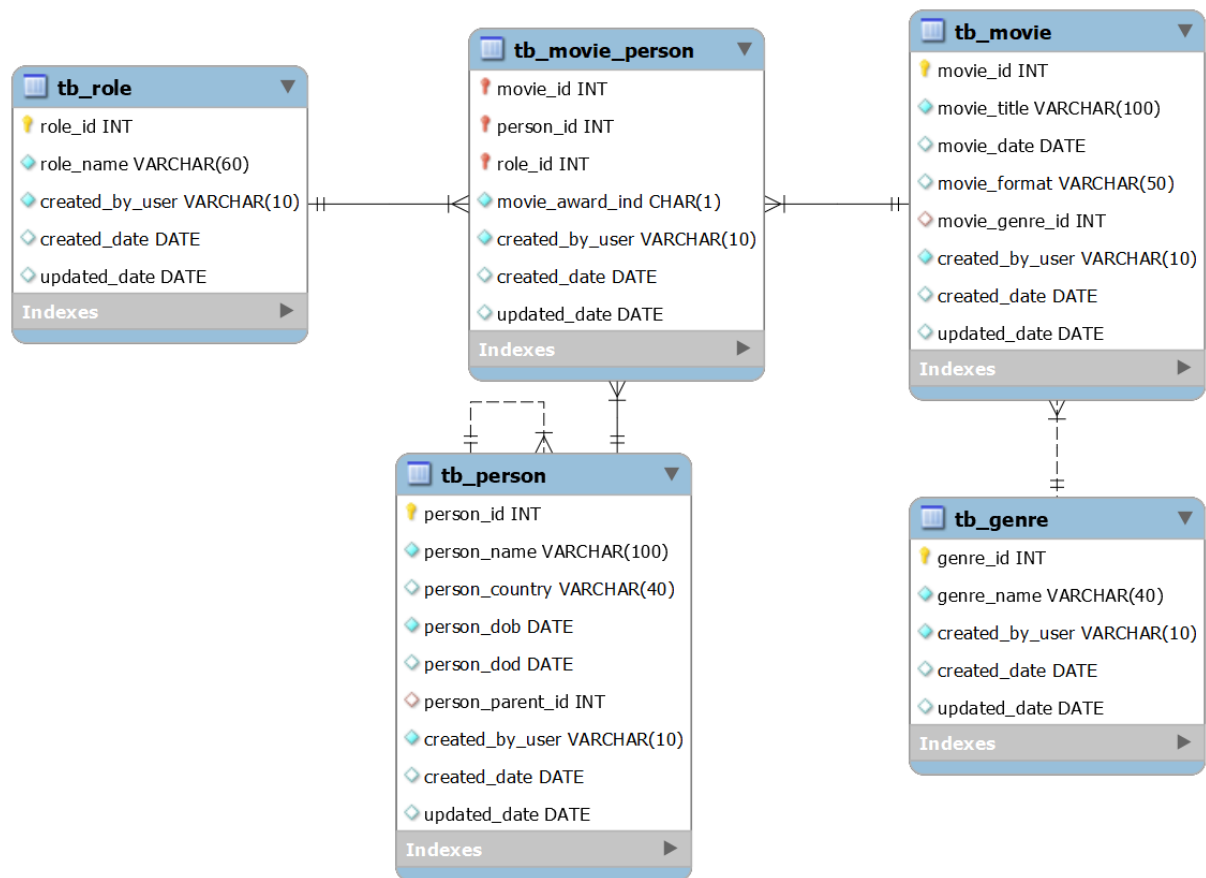


Exercici 1



Imatge 1. Esquema de la base de dades

Es tracta d'una base de dades de pel·lícules. Hi ha diferents taules que guarden dades:

movie -> informació d'una pel·lícula: id, títol, data de creació, gènere, etc.

genre -> informació dels gèneres disponibles: id, nom, quin usuari el va crear, etc.

person -> informació d'una persona: nom, país, data naixement/mort, pares, etc.

movie_person -> relació many-to-many entre pel·lícules i persones/rols

role -> informació dels rols disponibles d'una persona en una pel·lícula

Exercici 2

```
SELECT person_name AS "name", person_country AS "country", person_dob AS "birthdate"  
FROM tb_person p  
WHERE p.person_dod IS NULL  
ORDER BY person_dob;
```

| name | country | birthdate |
|------------------------|---------------|------------|
| John Williams | United States | 1928-08-08 |
| Vera Miles | United States | 1929-08-23 |
| Sean Connery | Scotland | 1930-07-08 |
| Robert Duvall | United States | 1931-01-05 |
| Morgan Freeman | United States | 1935-10-01 |
| Francis Ford Coppola | United States | 1939-04-07 |
| Gary Kurtz | United States | 1940-07-27 |
| Martin Sheen | United States | 1940-08-03 |
| Harrison Ford | United States | 1942-07-13 |
| George Lucas | United States | 1944-05-14 |
| Carmine Coppola | United States | 1945-07-08 |
| Steven Spielberg | United States | 1946-12-18 |
| Tim Robbins | United States | 1949-06-07 |
| Mel Gibson | Australia | 1950-08-09 |
| Tom Hanks | United States | 1956-07-09 |
| Emilio Martinez Lazaro | Spain | 1956-09-09 |
| Karra Elejalde | Spain | 1960-03-06 |
| Emilio Estevez | United States | 1962-05-12 |
| Ramón Estevez | United States | 1963-08-07 |
| Carmen Machi | Spain | 1964-08-09 |
| Charlie Sheen | United States | 1965-09-03 |
| Reneé Estevez | United States | 1967-04-02 |
| Catherine Zeta-Jones | Wales | 1969-09-25 |
| Robert Alamo | Spain | 1970-05-06 |
| Daniel Sanchez Arevalo | Spain | 1970-06-08 |
| Quim Gutierrez | Spain | 1981-03-27 |
| Veronica Echegui | Spain | 1983-03-14 |
| Taylor Levi Estevez | United States | 1984-06-22 |
| Dani Rovira | Spain | 1984-07-01 |
| Paula Speert Sheen | United States | 1986-01-06 |
| Paloma Rae Estevez | United States | 1986-02-15 |
| Clara Lago | Spain | 1986-04-17 |
| Patrick Criado | Spain | 1995-09-23 |
| Paula Jones-Sheen | United States | 2003-07-06 |
| Sam Sheen | United States | 2004-03-09 |
| Lola Sheen | United States | 2005-06-01 |
| Bob Sheen | United States | 2009-05-01 |
| Max Sheen | United States | 2009-05-01 |

Imatge 2. Resultat query Exercici 2

Exercici 3

```
SELECT g.genre_name AS "Género", COUNT(m.movie_id) AS NumOfMovies
FROM tb_genre g
JOIN tb_movie m
    ON g.genre_id = m.movie_genre_id
GROUP BY g.genre_name
ORDER BY NumOfMovies DESC;
```

| Género | NumOfMovies |
|-----------------|-------------|
| Comedia | 3 |
| Acción | 2 |
| Ciencia Ficción | 2 |
| Drama | 2 |
| Romance | 2 |
| Suspense | 2 |
| Fantasía | 1 |
| Terror | 1 |
| Bélico | 1 |

Imatge 3. Resultat query exercici 3

Exercici 4

```
SELECT p.person_name, COUNT(mp.role_id) AS NumOfRoles
FROM tb_person p
JOIN tb_movie_person mp
    ON p.person_id = mp.person_id
GROUP BY mp.person_id, mp.movie_id
HAVING NumOfRoles > 1;
```

| person_name | NumOfRoles |
|-------------------------|------------|
| Francis Ford Coppola | 3 |
| George Lucas | 2 |
| Steven Spielberg | 2 |
| Alfred Joseph Hitchcock | 3 |
| Daniel Sanchez Arevalo | 2 |
| Mel Gibson | 2 |

Imatge 4. Resultat query exercici 4

Exercici 5

```
INSERT INTO tb_genre(genre_id, genre_name, created_by_user)
VALUE ('69', 'Documental', 'Victor')
```

| genre_id | genre_name | created_by_user | created_date | updated_date |
|----------|-----------------|-----------------|--------------|--------------|
| 1 | Acción | OS_SGAD | NULL | NULL |
| 2 | Ciencia Ficción | OS_SGAD | NULL | NULL |
| 3 | Comedia | OS_SGAD | NULL | NULL |
| 4 | Drama | OS_SGAD | NULL | NULL |
| 5 | Fantasía | apermag | NULL | NULL |
| 6 | Melodrama | apermag | 2018-09-01 | 2018-09-27 |
| 7 | Musical | OS_SGAD | NULL | NULL |
| 8 | Romance | OS_SGAD | NULL | NULL |
| 9 | Suspense | OS_SGAD | NULL | NULL |
| 10 | Terror | OS_SGAD | NULL | NULL |
| 11 | Bélico | OS_SGAD | NULL | NULL |
| 69 | Documental | Victor | NULL | NULL |

Imatge 5. Resultat query exercici 5

Exercici 6

```
DELETE
FROM tb_movie_person mp
WHERE mp.movie_id =
      (SELECT movie_id
       FROM tb_movie m
       WHERE m.movie_title = "La Gran Familia Española");

DELETE
FROM tb_movie m
WHERE m.movie_title = "La Gran Familia Española";
```

| movie_id | movie_title | movie_date | movie_for mat | movie_genre_id | created_by_u ser | created_d ate | updated_d ate |
|----------|--------------------------------------|------------|---------------|----------------|------------------|---------------|---------------|
| 1 | Apocalypse Now | 1979-05-10 | Film | 11 | OS_SGAD | NULL | NULL |
| 2 | Star Wars:Episode IV - A New Hope | 1977-05-25 | Film | 2 | OS_SGAD | NULL | NULL |
| 3 | Indiana Jones and the Temple of Doom | 1984-05-08 | Film | 1 | OS_SGAD | NULL | NULL |
| 4 | The Terminal | 2004-06-18 | Digital | 3 | OS_SGAD | NULL | NULL |
| 5 | Jaws | 1975-01-01 | Film | 10 | OS_SGAD | NULL | NULL |
| 6 | ET The Extraterrestrial | 1982-07-25 | Film | 5 | OS_SGAD | NULL | NULL |
| 7 | Psycho | 1960-05-06 | Film | 9 | OS_SGAD | NULL | NULL |
| 8 | Ocho Apellidos Vascos | 2014-03-14 | Digital | 3 | OS_SGAD | NULL | NULL |
| 9 | Ocho Apellidos Catalanes | 2016-06-09 | Digital | 8 | OS_SGAD | NULL | NULL |
| 10 | El otro lado de la cama | 2002-09-04 | Digital | 8 | OS_SGAD | NULL | NULL |
| 12 | El día de la bestia | 1994-12-25 | Film | 1 | OS_SGAD | NULL | NULL |
| 13 | Braveheart | 1995-08-08 | Film | 4 | OS_SGAD | NULL | NULL |
| 14 | The Shawshank Redemption | 1992-01-07 | Film | 4 | OS_SGAD | NULL | NULL |
| 15 | Las brujas de Zugarramurdi | 2009-10-07 | Digital | 9 | OS_SGAD | NULL | NULL |
| 16 | Blade Runner | 1982-12-25 | Digital | 2 | OS_SGAD | NULL | NULL |

Imatge 6. Resultat queries exercici 6

Exercici 7

```
UPDATE tb_movie m
SET m.movie_genre_id = (SELECT genre_id FROM tb_genre WHERE genre_name =
'Comedia')
WHERE m.movie_title = "Ocho apellidos catalanes";
```

| movie_id | movie_title | movie_date | movie_format | movie_genre_id | created_by_user | created_date | updated_date |
|----------|--------------------------------------|------------|--------------|----------------|-----------------|--------------|--------------|
| 1 | Apocalypse Now | 1979-05-10 | Film | 11 | OS_SGAD | NULL | NULL |
| 2 | Star Wars:Episode IV - A New Hope | 1977-05-25 | Film | 2 | OS_SGAD | NULL | NULL |
| 3 | Indiana Jones and the Temple of Doom | 1984-05-08 | Film | 1 | OS_SGAD | NULL | NULL |
| 4 | The Terminal | 2004-06-18 | Digital | 3 | OS_SGAD | NULL | NULL |
| 5 | Jaws | 1975-01-01 | Film | 10 | OS_SGAD | NULL | NULL |
| 6 | ET The Extraterrestrial | 1982-07-25 | Film | 5 | OS_SGAD | NULL | NULL |
| 7 | Psycho | 1960-05-06 | Film | 9 | OS_SGAD | NULL | NULL |
| 8 | Ocho Apellidos Vascos | 2014-03-14 | Digital | 3 | OS_SGAD | NULL | NULL |
| 9 | Ocho Apellidos Catalanes | 2016-06-09 | Digital | 3 | OS_SGAD | NULL | NULL |
| 10 | El otro lado de la cama | 2002-09-04 | Digital | 8 | OS_SGAD | NULL | NULL |
| 12 | El dia de la bestia | 1994-12-25 | Film | 1 | OS_SGAD | NULL | NULL |
| 13 | Braveheart | 1995-08-08 | Film | 4 | OS_SGAD | NULL | NULL |
| 14 | The Shawshank Redemption | 1992-01-07 | Film | 4 | OS_SGAD | NULL | NULL |
| 15 | Las brujas de Zugarramurdi | 2009-10-07 | Digital | 9 | OS_SGAD | NULL | NULL |
| 16 | Blade Runner | 1982-12-25 | Digital | 2 | OS_SGAD | NULL | NULL |

Imatge 7. Resultat query exercici 7