DATABASE imdb_small

Relational model:
ACTORS (id, first_name, last_name, gender)
DIRECTORS (id, first_name, last_name)
MOVIES (id, name, year, rank)
MOVIES_DIRECTORS (director_id*, movie_id*)
MOVIES_GENRES (movie_id*, genre)
ROLES (actor_id*, movie_id*, role)

id	name	year	rank
112290	Fight Club	1999	8.5
209658	Meet the Parents	2000	7
210511	Memento	2000	8.7
...			

movies

actor_id	movie_id	role
433259	313398	Capt. James T. Kirk
433259	407323	Sgt. T.J. Hooker
797926	342189	Herself
...		

roles

id	first_name	last_name	gender
433259	William	Shatner	M
797926	Britney	Spears	F
831289	Sigourney	Weaver	F
...			

actors

director_id	movie_id
24758	112290
66965	209658
72723	313398
...	

movies_directors

id	first_name	last_name
24758	David	Fincher
66965	Jay	Roach
72723	William	Shatner
...		

directors

movie_id	genre
209658	Comedy
313398	Action
313398	Sci-Fi
...	

movies_genres

Link to download the database here.

NOTES:
- I would create a table for genres…
- The exercises are not sorted by order of difficulty...

1.- Data of all the actors with the surname 'Willis'.

SELECT *

FROM actors

WHERE last_name = 'Willis';

```
+--------+------------+-----------+--------+
| id     | first_name | last_name | gender |
+--------+------------+-----------+--------+
| 512541 | Bruce      | Willis    | M      |
| 512626 | Phillip L. | Willis    | M      |
| 836217 | Rosemary   | Willis    | F      |
| 836222 | Susan      | Willis    | F      |
+--------+------------+-----------+--------+
4 rows in set (0.000 sec)
```

2. Code and title of the movies that in its title there are some of the following words: "kill", "pirates", "war", "man". Order the result by movie title.

SELECT *

FROM movies

WHERE name like '%KILL%'

  OR name like '%Pirates%'

  OR name like '%War%'

  OR name like '%Man%';

```
+--------+--------------------------+
| id     | name                     |
+--------+--------------------------+
| 147603 | Hollow Man               |
| 176711 | Kill Bill: Vol. 1        |
| 176712 | Kill Bill: Vol. 2        |
| 256630 | Pirates of the Caribbean |
| 313459 | Star Wars                |
+--------+--------------------------+
5 rows in set (0.001 sec)
```

3. Title of films directed by Ethan Coen order by title.

SELECT m.name

FROM movies M,

    directors D,

    movies_directors MD

WHERE M.id = MD.movie_id

 AND D.id = MD.director_id

 AND D.first_name = 'Ethan'

 AND D.last_name = 'Coen'

ORDER BY name;

```
+---------------------------+
| name                      |
+---------------------------+
| Fargo                     |
| O Brother, Where Art Thou? |
+---------------------------+
2 rows in set (0.001 sec)
```

4. Title and year of premiere of the movies directed by Ethan Coen after 1996 order by year.

SELECT M.name, M.year

FROM movies M,

   directors D,

   movies_directors MD

WHERE M.id = MD.movie_id

 AND D.id = MD.director_id

 AND D.first_name = 'Ethan'

 AND D.last_name = 'Coen'

 AND M.year > 1996

ORDER BY year;

```
+---------------------------+------+
| name                      | year |
+---------------------------+------+
| O Brother, Where Art Thou? | 2000 |
+---------------------------+------+
1 row in set (0.002 sec)
```

5. Title and year of premiere of all those films that we do not know the director. order the results by film title (clue: NOT IN (subselect)).

SELECT M.id, M.name, M.year

FROM movies M

WHERE M.id not in (

  SELECT movies_directors.movie_id

  FROM movies_directors)

ORDER BY name;

```
+--------+-------------------------+------+
| id     | name                    | year |
+--------+-------------------------+------+
| 256630 | Pirates of the Caribbean | 2003 |
+--------+-------------------------+------+
1 row in set (0.001 sec)
```

6. Name of the director, premiere year and full name and roles of the actors in the movie "Lost in Translation".

SELECT concat(directors.first_name,' ',directors.last_name) as director_name, movies.name as movie_title, movies.year, concat(actors.first_name,' ',actors.last_name) as actor_name, role

FROM directors,actors,movies,roles,movies_directors

WHERE directors.id = movies_directors.director_id

   AND movies.id = movies_directors.movie_id

   AND actors.id = roles.actor_id

   AND roles.movie_id = movies.id

   AND movies.name = 'Lost in Translation';

```
+---------------+---------------------+------+-----------------------+------------------------------+
| director_name | movie_title         | year | actor_name            | role                         |
+---------------+---------------------+------+-----------------------+------------------------------+
| Sofia Coppola | Lost in Translation | 2003 | Akiko Monou           | P Chan                       |
| Sofia Coppola | Lost in Translation | 2003 | Akiko Takeshita       | Ms. Kawasaki                 |
| Sofia Coppola | Lost in Translation | 2003 | Akimitsu Naruyama     | French Japanese Nightclub Pat|
| Sofia Coppola | Lost in Translation | 2003 | Akira (II) Yamaguchi  | Bellboy                      |
| Sofia Coppola | Lost in Translation | 2003 | Akira Motomura        | Old Man                      |
| Sofia Coppola | Lost in Translation | 2003 | Anna Faris            | Kelly                        |
| Sofia Coppola | Lost in Translation | 2003 | Asuka Shimuzu         | Kelly's Translator           |
| Sofia Coppola | Lost in Translation | 2003 | Bill (I) Murray       | Bob Harris                   |
| Sofia Coppola | Lost in Translation | 2003 | Catherine (II) Lambert| Jazz Singer                  |
| Sofia Coppola | Lost in Translation | 2003 | Diamond Yukai         | Commercial Director          |
| Sofia Coppola | Lost in Translation | 2003 | Diedrich Bollman      | German Hotel Guest           |
| Sofia Coppola | Lost in Translation | 2003 | François du Bois      | Sausalito Piano              |
| Sofia Coppola | Lost in Translation | 2003 | Fumihiro Hayashi      | Charlie                      |
| Sofia Coppola | Lost in Translation | 2003 | Georg O.P. Eschert    | German Hotel Guest           |
| Sofia Coppola | Lost in Translation | 2003 | Giovanni Ribisi       | John                         |
| Sofia Coppola | Lost in Translation | 2003 | Gregory Pekar         | American Businessman #1      |
| Sofia Coppola | Lost in Translation | 2003 | Hiroko Kawasaki       | Hiroko                       |
| Sofia Coppola | Lost in Translation | 2003 | Hiroshi (I) Kawashima | Bartender, Nightclub         |
| Sofia Coppola | Lost in Translation | 2003 | Hugo Codaro           | Aerobics Instructor          |
| Sofia Coppola | Lost in Translation | 2003 | Ikuko Takahashi       | Ikebana Instructor           |
| Sofia Coppola | Lost in Translation | 2003 | Julliet Akinyi        | Hans                         |
| Sofia Coppola | Lost in Translation | 2003 | Jun Maki              | Suntory Client               |
| Sofia Coppola | Lost in Translation | 2003 | Kanako Nakazato       | Make-Up Person               |
| Sofia Coppola | Lost in Translation | 2003 | Kazuko (I) Shibata    | Press Agent                  |
| Sofia Coppola | Lost in Translation | 2003 | Kazuo Yamada          | Hospital Receptionist        |
| Sofia Coppola | Lost in Translation | 2003 | Kazuyoshi Minamimagoe | Press Agent                  |
| Sofia Coppola | Lost in Translation | 2003 | Kei Takyo             | TV Translator                |
| Sofia Coppola | Lost in Translation | 2003 | Koichi (I) Tanaka     | Bartender, NY Bar            |
| Sofia Coppola | Lost in Translation | 2003 | Kunichi Nomura        | Kun                          |
| Sofia Coppola | Lost in Translation | 2003 | Lisle Wilkerson       | Sexy Businesswoman           |
| Sofia Coppola | Lost in Translation | 2003 | Mark Willms           | Carl West                    |
| Sofia Coppola | Lost in Translation | 2003 | Nancy (I) Steiner     | Lydia Harris                 |
| Sofia Coppola | Lost in Translation | 2003 | Nao Asuka             | Premium Fantasy Woman        |
| Sofia Coppola | Lost in Translation | 2003 | Nao Kitman            | Nao                          |
| Sofia Coppola | Lost in Translation | 2003 | Nobuhiko Kitamura     | Nobu                         |
| Sofia Coppola | Lost in Translation | 2003 | Noguchi Takayuki      | Press Agent                  |
| Sofia Coppola | Lost in Translation | 2003 | Osamu Shigematu       | Doctor                       |
| Sofia Coppola | Lost in Translation | 2003 | Richard (XV) Allen    | American Businessman #2      |
| Sofia Coppola | Lost in Translation | 2003 | Ryo Kondo             | Politician                   |
| Sofia Coppola | Lost in Translation | 2003 | Ryuichiro Baba        | Concierge                    |
| Sofia Coppola | Lost in Translation | 2003 | Scarlett Johansson    | Charlotte                    |
| Sofia Coppola | Lost in Translation | 2003 | Shigekazu Aida        | Mr. Valentine                |
| Sofia Coppola | Lost in Translation | 2003 | Takashi (I) Fujii     | TV Host                      |
| Sofia Coppola | Lost in Translation | 2003 | Tetsuro Naka          | Stills Photographer          |
| Sofia Coppola | Lost in Translation | 2003 | Tim Leffman           | Sausalito Guitar             |
| Sofia Coppola | Lost in Translation | 2003 | Toshikawa Hiromi      | Hiromix                      |
| Sofia Coppola | Lost in Translation | 2003 | Yasuhiko Hattori      | Charlie's Friend             |
| Sofia Coppola | Lost in Translation | 2003 | Yû Daiki              | Bambie                       |
| Sofia Coppola | Lost in Translation | 2003 | Yuji Okabe            | Politician's Aide            |
| Sofia Coppola | Lost in Translation | 2003 | Yumi Ikeda            | Politician's Aide            |
| Sofia Coppola | Lost in Translation | 2003 | Yumika Saki           | Politician's Aide            |
+---------------+---------------------+------+-----------------------+------------------------------+
51 rows in set (0.003 sec)
```

7. Title of the film, premiere year and full name of the director of all those films in which the director is also an actor in their own films. Sort the results by artist name.

SELECT m.name as movie_title, year, concat(a.first_name,' ', a.last_name) as artist_name

FROM movies m, directors d, actors a, movies_directors md, roles r

WHERE m.id = md.movie_id

  AND d.id = md.director_id

  AND a.id = r.actor_id

  AND r.movie_id = m.id

  AND d.first_name = a.first_name

  AND d.last_name = a.last_name

ORDER BY artist_name;

```
+----------------+------+-------------------+
| movie_title    | year | artist_name       |
+----------------+------+-------------------+
| Shrek          | 2001 | Andrew Adamson    |
| Snatch.        | 2000 | Guy Ritchie       |
| Titanic        | 1997 | James (I) Cameron |
| UHF            | 1989 | Jay Levey         |
| Braveheart     | 1995 | Mel (I) Gibson    |
| Office Space   | 1999 | Mike (I) Judge    |
| Pulp Fiction   | 1994 | Quentin Tarantino |
| Reservoir Dogs | 1992 | Quentin Tarantino |
| Ocean's Eleven | 2001 | Steven Soderbergh |
| Garden State   | 2004 | Zach Braff        |
+----------------+------+-------------------+
10 rows in set (0.030 sec)
```

8. Name of the actors with whom Uma Thurman worked. Also indicate the full name and the year of the premiere of the film. Order the results by movie name and actor full name. Obviously, Uma Thurman must not be in the results.

SELECT concat(a.first_name,' ', a.last_name) as actor_name, m.name, m.year

FROM movies m,

   actors a,

   roles r

WHERE a.id = r.actor_id

 AND r.movie_id = m.id

 AND r.actor_id not in (

  SELECT actors.id

  FROM actors

  WHERE actors.first_name = 'Uma'

   AND actors.last_name = 'Thurman')

 AND r.movie_id in (

  SELECT roles.movie_id

  FROM roles

  WHERE roles.actor_id in (

   SELECT actors.id

   FROM actors

   WHERE actors.first_name = 'Uma'

   AND actors.last_name = 'Thurman'))

ORDER BY m.name, actor_name;

```
+--------------------------------+-----------------------+------+
| actor_name                     | movie_title           | year |
+--------------------------------+-----------------------+------+
| Ai (III) Maeda                 | Kill Bill: Vol. 1     | 2003 |
| Akaji Maro                     | Kill Bill: Vol. 1     | 2003 |
| Ambrosia Kelley                | Kill Bill: Vol. 1     | 2003 |
| Chia Hui Liu                   | Kill Bill: Vol. 1     | 2003 |
| Chiaki Kuriyama                | Kill Bill: Vol. 1     | 2003 |
| Christopher Allen Nelson       | Kill Bill: Vol. 1     | 2003 |
| Daryl Hannah                   | Kill Bill: Vol. 1     | 2003 |
| David Carradine                | Kill Bill: Vol. 1     | 2003 |
| Goro Daimon                    | Kill Bill: Vol. 1     | 2003 |
| Hikaru Midorikawa              | Kill Bill: Vol. 1     | 2003 |
| Issei Takahashi                | Kill Bill: Vol. 1     | 2003 |
| James Parks                    | Kill Bill: Vol. 1     | 2003 |
| Jonathan Loughran              | Kill Bill: Vol. 1     | 2003 |
| Julie Dreyfus                  | Kill Bill: Vol. 1     | 2003 |
| Julie Manase                   | Kill Bill: Vol. 1     | 2003 |
| Jun Kunimura                   | Kill Bill: Vol. 1     | 2003 |
| Kazuki Kitamura                | Kill Bill: Vol. 1     | 2003 |
| Kenji Ohba                     | Kill Bill: Vol. 1     | 2003 |
| Lucy Liu                       | Kill Bill: Vol. 1     | 2003 |
| Michael (I) Bowen              | Kill Bill: Vol. 1     | 2003 |
| Michael (I) Madsen             | Kill Bill: Vol. 1     | 2003 |
| Michael (I) Parks              | Kill Bill: Vol. 1     | 2003 |
| Michael Kuroiwa                | Kill Bill: Vol. 1     | 2003 |
| Naomi Kusumi                   | Kill Bill: Vol. 1     | 2003 |
| Ronnie Yoshiko Fujiyama        | Kill Bill: Vol. 1     | 2003 |
| Sachiko Fujii                  | Kill Bill: Vol. 1     | 2003 |
| Sakichi Satô                   | Kill Bill: Vol. 1     | 2003 |
| Satoshi Yamanaka               | Kill Bill: Vol. 1     | 2003 |
| Shu Lan Tuan                   | Kill Bill: Vol. 1     | 2003 |
| Shun Sugata                    | Kill Bill: Vol. 1     | 2003 |
| Sonny Chiba                    | Kill Bill: Vol. 1     | 2003 |
| Stevo Polyi                    | Kill Bill: Vol. 1     | 2003 |
| Tetsuro Shimaguchi             | Kill Bill: Vol. 1     | 2003 |
| Vivica A. Fox                  | Kill Bill: Vol. 1     | 2003 |
| Xiaohui Hu                     | Kill Bill: Vol. 1     | 2003 |
| Yoji Tanaka                    | Kill Bill: Vol. 1     | 2003 |
| Yoshiko Yamaguchi              | Kill Bill: Vol. 1     | 2003 |
| Yoshiyuki Morishita            | Kill Bill: Vol. 1     | 2003 |
| Yuki Kazamatsuri               | Kill Bill: Vol. 1     | 2003 |
| Zhang Jin Zhan                 | Kill Bill: Vol. 1     | 2003 |
| Al Manuel Douglas              | Kill Bill: Vol. 2     | 2004 |
| Bo Svenson                     | Kill Bill: Vol. 2     | 2004 |
| Caitlin Keats                  | Kill Bill: Vol. 2     | 2004 |
| Chia Hui Liu                   | Kill Bill: Vol. 2     | 2004 |
| Christopher Allen Nelson       | Kill Bill: Vol. 2     | 2004 |
| Citlati Guadalupe Bojorquez    | Kill Bill: Vol. 2     | 2004 |
| Claire Smithies                | Kill Bill: Vol. 2     | 2004 |
| Clark Middleton                | Kill Bill: Vol. 2     | 2004 |
| Daryl Hannah                   | Kill Bill: Vol. 2     | 2004 |
| David Carradine                | Kill Bill: Vol. 2     | 2004 |
| Graciela Salazar Mendoza       | Kill Bill: Vol. 2     | 2004 |
| Helen (IV) Kim                 | Kill Bill: Vol. 2     | 2004 |
| Jeannie Epper                  | Kill Bill: Vol. 2     | 2004 |
| Jorge (II) Silva               | Kill Bill: Vol. 2     | 2004 |
| Larry Bishop                   | Kill Bill: Vol. 2     | 2004 |
| Laura Cayouette                | Kill Bill: Vol. 2     | 2004 |
| Lucia Cruz Marroquin           | Kill Bill: Vol. 2     | 2004 |
| Lucy Liu                       | Kill Bill: Vol. 2     | 2004 |
| Maria de Lourdes Lombera       | Kill Bill: Vol. 2     | 2004 |
| Maria Del Rosario Gutiérrez    | Kill Bill: Vol. 2     | 2004 |
| Michael (I) Madsen             | Kill Bill: Vol. 2     | 2004 |
| Michael (I) Parks              | Kill Bill: Vol. 2     | 2004 |
| Patricia Silva                 | Kill Bill: Vol. 2     | 2004 |
| Perla Haney-Jardine            | Kill Bill: Vol. 2     | 2004 |
| Reda Beebe                     | Kill Bill: Vol. 2     | 2004 |
| Samuel L. Jackson              | Kill Bill: Vol. 2     | 2004 |
| Shana Stein                    | Kill Bill: Vol. 2     | 2004 |
| Sid Haig                       | Kill Bill: Vol. 2     | 2004 |
| Sonia Angelica Padilla Curiel  | Kill Bill: Vol. 2     | 2004 |
| Stephanie L. Moore             | Kill Bill: Vol. 2     | 2004 |
| Stevo Polyi                    | Kill Bill: Vol. 2     | 2004 |
| Thea Rose                      | Kill Bill: Vol. 2     | 2004 |
| Venessia Valentino             | Kill Bill: Vol. 2     | 2004 |
| Veronica Janet Martinez        | Kill Bill: Vol. 2     | 2004 |
| Vicki Lucai                    | Kill Bill: Vol. 2     | 2004 |
| Vivica A. Fox                  | Kill Bill: Vol. 2     | 2004 |
| William Paul Clark             | Kill Bill: Vol. 2     | 2004 |
| Alexis Arquette                | Pulp Fiction          | 1994 |
| Amanda Plummer                 | Pulp Fiction          | 1994 |
| Angela (I) Jones               | Pulp Fiction          | 1994 |
| Ani Sava                       | Pulp Fiction          | 1994 |
| Brad (I) Parker                | Pulp Fiction          | 1994 |
| Brenda Hillhouse               | Pulp Fiction          | 1994 |
| Bronagh Gallagher              | Pulp Fiction          | 1994 |
| Bruce Willis                   | Pulp Fiction          | 1994 |
| Burr Steers                    | Pulp Fiction          | 1994 |
| Carl (I) Allen                 | Pulp Fiction          | 1994 |
| Chandler Lindauer              | Pulp Fiction          | 1994 |
| Christopher Walken             | Pulp Fiction          | 1994 |
| Dick (I) Miller                | Pulp Fiction          | 1994 |
| Don Blakely                    | Pulp Fiction          | 1994 |
| Duane Whitaker                 | Pulp Fiction          | 1994 |
| Emil Sitka                     | Pulp Fiction          | 1994 |
| Eric (I) Clark                 | Pulp Fiction          | 1994 |
| Eric Stoltz                    | Pulp Fiction          | 1994 |
| Frank Whaley                   | Pulp Fiction          | 1994 |
| Gary Shorelle                  | Pulp Fiction          | 1994 |
| Harvey Keitel                  | Pulp Fiction          | 1994 |
| Jerome Patrick Hoban           | Pulp Fiction          | 1994 |
| John Travolta                  | Pulp Fiction          | 1994 |
| Joseph Pilato                  | Pulp Fiction          | 1994 |
| Julia Sweeney                  | Pulp Fiction          | 1994 |
| Karen Maruyama                 | Pulp Fiction          | 1994 |
| Kathy Griffin                  | Pulp Fiction          | 1994 |
| Laura Lovelace                 | Pulp Fiction          | 1994 |
| Lawrence Bender                | Pulp Fiction          | 1994 |
| Linda Kaye                     | Pulp Fiction          | 1994 |
| Lorelei Leslie                 | Pulp Fiction          | 1994 |
| Maria de Medeiros              | Pulp Fiction          | 1994 |
| Michael Gilden                 | Pulp Fiction          | 1994 |
| Paul Calderon                  | Pulp Fiction          | 1994 |
| Peter (I) Greene               | Pulp Fiction          | 1994 |
| Phil LaMarr                    | Pulp Fiction          | 1994 |
| Quentin Tarantino              | Pulp Fiction          | 1994 |
| Rich Turner                    | Pulp Fiction          | 1994 |
| Robert Ruth                    | Pulp Fiction          | 1994 |
| Rosanna Arquette               | Pulp Fiction          | 1994 |
| Samuel L. Jackson              | Pulp Fiction          | 1994 |
| Stephen Hibbert                | Pulp Fiction          | 1994 |
| Steve Buscemi                  | Pulp Fiction          | 1994 |
| Susan Griffiths                | Pulp Fiction          | 1994 |
| Sy Sher                        | Pulp Fiction          | 1994 |
| Tim Roth                       | Pulp Fiction          | 1994 |
| Venessia Valentino             | Pulp Fiction          | 1994 |
| Ving Rhames                    | Pulp Fiction          | 1994 |
+--------------------------------+-----------------------+------+
125 rows in set (0.036 sec)
```

9. Name of the directors who have not been actors in their films, sorted by code.

```
+----------------------+
| director_name        |
+----------------------+
| Andy Wachowski       |
| Cameron Crowe        |
| Christopher Nolan    |
| Clint Eastwood       |
| Darren Aronofsky     |
| David Fincher        |
| David Koepp          |
| Ethan Coen           |
| Francis Ford Coppola |
| Frank Darabont       |
| George Lucas         |
| Herbert (I) Ross     |
| Joel Coen            |
| John (I) Hughes      |
| John (I) Landis      |
| John Musker          |
| Larry Wachowski      |
| Oliver (I) Stone     |
| Paul (I) Verhoeven   |
| Rob Reiner           |
| Ron Clements         |
| Ron Howard           |
| Sofia Coppola        |
| Vicky Jenson         |
+----------------------+
24 rows in set (0.026 sec)
```

10. List of directors sorted by full name, indicating the number of films they have directed.

SELECT CONCAT(d.first_name, ' ', d.last_name) as director_name, count(*)

FROM directors d, movies_directors md, movies m

WHERE d.id = md.director_id

   AND m.id = md.movie_id

GROUP BY director_name

ORDER BY director_name;

```
+----------------------+----------+
| director_name        | count(*) |
+----------------------+----------+
| Andrew Adamson       |        1 |
| Andy Wachowski       |        1 |
| Cameron Crowe        |        1 |
| Christopher Nolan    |        2 |
| Clint Eastwood       |        1 |
| Darren Aronofsky     |        1 |
| David Fincher        |        1 |
| David Koepp          |        1 |
| Ethan Coen           |        2 |
| Francis Ford Coppola |        1 |
| Frank Darabont       |        1 |
| George Lucas         |        1 |
| Guy Ritchie          |        1 |
| Herbert (I) Ross     |        1 |
| James (I) Cameron    |        2 |
| Jay Levey            |        1 |
| Joel Coen            |        2 |
| John (I) Hughes      |        1 |
| John (I) Landis      |        1 |
| John Musker          |        1 |
| Larry Wachowski      |        1 |
| Mel (I) Gibson       |        1 |
| Mike (I) Judge       |        1 |
| Oliver (I) Stone     |        1 |
| Paul (I) Verhoeven   |        1 |
| Quentin Tarantino    |        4 |
| Rob Reiner           |        1 |
| Ron Clements         |        1 |
| Ron Howard           |        1 |
| Sofia Coppola        |        1 |
| Steven Soderbergh    |        1 |
| Vicky Jenson         |        1 |
| Zach Braff           |        1 |
+----------------------+----------+
33 rows in set (0.001 sec)
```

11. List of actors with surname starting with a 'P', indicating the number of films in which they have participated ordered by the number of films descendent.

SELECT a.first_name, a.last_name, count(r.movie_id)

FROM movies m, roles r, actors a

WHERE m.id = r.movie_id

   AND a.id = r.actor_id

   AND a.last_name like 'P%'

GROUP BY a.id

ORDER BY count(r.movie_id) desc ;

```
+--------------------+----------------+------------------+
| first_name         | last_name      | count(R.movie_id) |
+--------------------+----------------+------------------+
| Stevo              | Polyi          |                3 |
| Bill               | Paxton         |                3 |
| Brad               | Pitt           |                3 |
| David              | Proval         |                2 |
| Chris (I)          | Penn           |                2 |
| Michael (I)        | Parks          |                2 |
| Joe                | Pantoliano     |                2 |
| Timothy Paul       | Perez          |                1 |
| Rick               | Petrucelli     |                1 |
| Shaun              | Pearson        |                1 |
| Catherine          | Porter         |                1 |
| Anthony            | Parrulli       |                1 |
| Jane               | Pratt          |                1 |
| Natalie            | Portman        |                1 |
| Alibe              | Parsons        |                1 |
| James              | Parks          |                1 |
| Duncan             | Putney         |                1 |
| Mark               | Pinter         |                1 |
| Sarah Jessica      | Parker         |                1 |
| Amanda             | Plummer        |                1 |
| Pat                | Perkins        |                1 |
| Sean               | Penn           |                1 |
| John               | Paragon        |                1 |
| Brad (I)           | Parker         |                1 |
| Steve F.           | Price Jr.      |                1 |
| Connor             | Paolo          |                1 |
| Jonathan (I)       | Phillips       |                1 |
| J.T.               | Pontino        |                1 |
| Gary (I)           | Palmer         |                1 |
| David F.           | Powers         |                1 |
| Guy (I)            | Pearce         |                1 |
| Lew                | Palter         |                1 |
| Todd               | Peirce         |                1 |
| Justin             | Possenti       |                1 |
| Bill               | Pickle         |                1 |
| Antonio            | Polk           |                1 |
| Kevin              | Pollak         |                1 |
| Anthony Ray        | Parker         |                1 |
| Miguel (I)         | Pérez          |                1 |
| Marco              | Perella        |                1 |
| David              | Prowse         |                1 |
| Harve              | Presnell       |                1 |
| Gregory            | Pekar          |                1 |
| Robert (I)         | Peters         |                1 |
| Shah Mohammed Reza | Pahlavi        |                1 |
| Lorne              | Peterson       |                1 |
| Robert             | Paterson       |                1 |
| Sonia Angelica     | Padilla Curiel |                1 |
| Frank (III)        | Patton         |                1 |
| Al                 | Pacino         |                1 |
| Clive              | Pearse         |                1 |
| Manley             | Pope Jr.       |                1 |
| Del                | Pentecost      |                1 |
| Ray                | Proscia        |                1 |
| Jim (II)           | Parsons        |                1 |
| Joe                | Pecoraro       |                1 |
| Alan               | Polonsky       |                1 |
| Beata              | Pozniak        |                1 |
| John               | Pungitore      |                1 |
| Emo                | Philips        |                1 |
| John               | Perryman       |                1 |
| Joseph             | Pilato         |                1 |
| Cheryl             | Penland        |                1 |
| Michael            | Peavey         |                1 |
| Judy               | Prestininzi    |                1 |
| Gene               | Pack           |                1 |
| George             | Petrie         |                1 |
| Francis Gary       | Powers         |                1 |
| T. Bruce           | Page           |                1 |
| Dan (I)            | Pettersson     |                1 |
| Stephen            | Pearlman       |                1 |
| Tony               | Plana          |                1 |
| Oliver             | Page           |                1 |
| J.A.               | Preston        |                1 |
| Janaya             | Pender         |                1 |
| Greg (II)          | Pitts          |                1 |
| Joe                | Pesci          |                1 |
| Jack               | Purvis         |                1 |
| Melissa            | Peterman       |                1 |
| Gary               | Pike           |                1 |
| Ted                | Pennebaker     |                1 |
| Marcus             | Powell         |                1 |
| Steve (I)          | Park           |                1 |
| Malachi            | Pearson        |                1 |
+--------------------+----------------+------------------+
84 rows in set (0.000 sec)
```

12. Do you think DIRECTORS and ACTORS should be the same table? Explain your answer.

We can consider that they should be the same table since they have the same values, except gender that could be added to directors since they are still people, and we would do it by giving it a combined name like DIRECTORS_AND_ACTORS

13. Having DIRECTORS and ACTORS separated in two tables, can we have inconsistent data?

If we can have inconsistent data since a director can be an actor too.