

**1- Write a query to find the list of movies that are directed by at least 2 directors.**

	original_title	cnt
This Is Where We Live		2
The United States of Insanity		2
Smoke Patrol		2
Ça roule pas		2
Paysandú - 100 anos de payxão		4
Vidéobib		2
Twilight Highway		2
Rabu hantâ: Atsui hada		2
A Witch is Børn		2
L'illusion des apparences		2
Fatal Bet		2
En letra chica		2
Kaiser Josef II.		2
Destinies: Dragos Mihalcea		3
Alice in Wonderland		2
Unchained: The Untold Story of Freestyle Motocross		2

The above are the list of movies which are directed by at least 2 directors and count of directors for each movie.

NOTE:Our movie tables contain information about short movies as well.

**2- Find all the actors that made more movies with Zack Snyder than any other director.**

Query:

name	actor_id	cnt
Henry Cavill	nm0147147	3

(1 row)

The above is an actor who made more movies with Zack Snyder than any other director.

**3- Find the movie that has won fewer than 2 awards.**

Query:

id

(0 rows)

NOTE: We don't have data regarding awards,so the query returns an empty table.

**4- Find the pair of actor and movie director, provided that the movie done by them has a rating above 7 and movies done by the pair should be at most 2.**

**Query:**

actor	director	rating	cnt
Robert Sobels	Giovanni Korporaal	8.1	1
Edward Earl King	John Watson	8.1	1
Parth Thakerar	Robin Lough	7.5	1
D.L. Walker	Aaron W. Peterson	7.9	2
D.L. Walker	Aaron W. Peterson	8.1	2
Iresh Zaker	Redoan Rony	7.3	1
George Ausmus	Josh Mullner	8.6	1
Sam Alexander	Robin Lough	8.2	1
João Cabeleira	Diogo Varela Silva	7.9	1
Diego Santos	Jose Mari Goenaga	7.7	1
Tinku Devangan	Karma Takapa	7.8	1
Dominique Whittaker	Dominique Whittaker	9.2	1
Peter Kent	Lincoln Thorne	8.6	1
Antonio de la Torre	Jose Mari Goenaga	7.2	1
Philip Childs	Robin Lough	8.4	2
Ciarán Hinds	Robin Lough	8.5	1
Albert Martinez	Erik Matti	7.1	2

The above table shows, number of movies(cnt) with the same actor and director pair and the rating of movies.

**5- Find the name of the TV series which aired for the longest duration.**

**Query:**

original_title	start_year	end_year	duration
Iz iskry plamya	1924		97

(1 row)

This is the longest running tv series with a duration of 97 years and it hasn't ended yet.

NOTE : We assumed that a tv series is still running if there is no end year.

**6-Find the name of the director who directed the 2nd shortest movie in the year 2020.**

**Query:**

name	min
Joe Abriatis	2
Donald Quan	2
Alexander Galant	2
Carmen Gillespie	2
Cynthia Galant	2
Daniel Herrera	2
John Rizzo	2
Elsie Wang	2
Ruby Singleton	2
Yevani Algarin	2
Stephanie Lundstrom	2
Nik Tyler	2
Richie Kul	2
Osame Anwer	2
Kvlkar	2
Christine Kim	2
Nicole Jung	2
Lukas Nathaniel	2
Anthony Guarda	2
GeneralRyGy4532	2

The above lists all the directors who have directed the second shortest movie and duration of movie. There many directors as we have included the data for short movies as well

**7-Print the adult movie and adult TV series with the lowest average rating.**

original_title	rating
2 Girls 1 Finger	1

(1 row)

original_title	rating
Heartwork: Symphony Destruction	3

(1 row)

The above are adult movies and adult TV series with lowest average ratings.

**8- Print the Top 5 directors based on their average rating of all the movies he/she has directed. (In case of equal print all.**

name	avg_rating
Elitsa Burzashka	10
Paul Leeson-Taylor	10
Chirag Patel	10
Jessika Quintana	10
Philip Mitchell	10
Matthew Muchka	10
Havi	10
Andrea Sala	10
Vishnu Vaka	10
Chase Nappier	10
Nathan Howe	10
Jacob Tillman	10
Omesh Bhatt	10
Vasilis Samaritakis	10
Sébastien Meulenbergh	10
Anastasiia Vorotniuk	10
Robert Howat	10
Sara Taylor Mermelstein	10
Keval Jani	10
Curtis Leitch	10
Lubomir Filipiv	10
Bella King	10
Skyko	10
Samantha Bozin	10
Marco Santos	10
Akshay Padmanaba	10
Nuer Taqa	10
Vasco Monteiro	10
Kanin Guntzelman	10

The above query gives top 5 directors based on ratings. First all the directors with average rating 10 are printed, then directors with next highest rating and so on.(top 5 ratings only)

**9- Print TV series produced by 2 or more production companies and same has been released in at least 3 different countries.**

```
original_title
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The Lost World
(1 row)
```

**10- Print the name of the actors in the decreasing order of the year of their Oscar wins**

```
name | year
-----+-----
(0 rows)
```

We don't have data regarding awards, so the query returns an empty table.

11- You want to make a movie and you are searching for the best director. List the directors in

descending order of their score based on their experience and average movie ratings.

Note the

score is defined as  $\text{Score} = 0.3 \times \text{experience} + 0.7 \times \text{average movie ratings}$  where,

- experience = number of movies for which he/she worked as director or asst director.
- Average movie ratings =  $0.8 \times \text{average movie ratings(worked as director)} + 0.2 \times \text{average movie ratings(worked as asst-director)}$ .

name	person_id	score
Dave Fleischer	nm0281487	149.265432094095
D.W. Griffith	nm0000428	132.654722219132
James H. White	nm0924920	108.426186966342
Seymour Kneitel	nm0460667	100.553950611103
Friz Freleng	nm0293989	96.9961800648238
Chuck Jones	nm0005062	91.1505292171465
Stan Brakhage	nm0104132	88.1565957503623
Georges Méliès	nm0617588	88.0625070409372
Sam Newfield	nm0627864	63.7598415767556
Robert McKimson	nm0571781	63.1486060514354
Mannie Davis	nm0205074	62.3866666680153
Joseph Barbera	nm0053484	60.8124210554424
Jules White	nm0925028	59.2734919053155
Jesús Franco	nm0001238	58.2869837853715
Paul J. Smith	nm0006761	58.2854782629013
Michael Curtiz	nm0002031	55.4499310397006
William K.L. Dickson	nm0005690	53.9716257284956
Connie Rasinski	nm0711197	52.5643878880125
Izzy Sparber	nm0816917	51.9613827106099
William Beaudine	nm0064415	51.032528295337
Walter Lantz	nm0487237	47.3647619002206
Alice Guy	nm0349785	45.9702097883425

Directors printed in based on score in descending order.

12- For each genre, print the top 5 movie names and its director name based on their earnings(box office collection - movie budget).

original_title	director_name	genre	earnings	rank
Avatar	James Cameron	Action	2.55097e+09	1
The Avengers	Joss Whedon	Action	1.29882e+09	2
The Lord of the Rings: The Return of the King	Peter Jackson	Action	1.02489e+09	3
Pirates of the Caribbean: Dead Man's Chest	Gore Verbinski	Action	8.6566e+08	4
Jurassic Park	Steven Spielberg	Action	8.571e+08	5
Deep Throat	Gerard Damiano	Adult	9.9975e+07	1
Alice in Wonderland: An X-Rated Musical Fantasy	Bud Townsend	Adult	8.96e+07	2
Behind the Green Door	Jim Mitchell	Adult	2.494e+07	3
Behind the Green Door	Artie Mitchell	Adult	2.494e+07	3
Avatar	James Cameron	Adventure	2.55097e+09	1
The Avengers	Joss Whedon	Adventure	1.29882e+09	2
Harry Potter and the Deathly Hallows: Part 2	David Yates	Adventure	1.21651e+09	3
The Lord of the Rings: The Return of the King	Peter Jackson	Adventure	1.02489e+09	4
Toy Story 3	Lee Unkrich	Adventure	8.6697e+08	5
Toy Story 3	Lee Unkrich	Animation	8.6697e+08	1
Finding Nemo	Andrew Stanton	Animation	8.46336e+08	2
Finding Nemo	Lee Unkrich	Animation	8.46336e+08	2
Ice Age: Dawn of the Dinosaurs	Mike Thurmeier	Animation	7.96687e+08	3
Ice Age: Dawn of the Dinosaurs	Carlos Saldanha	Animation	7.96687e+08	3

This query prints movies based on their earnings in different genres.

**13- Print actors who have worked in movies as well as TV series.**

name
Fred Astaire
Lauren Bacall
Richard Burton
Doris Day
James Dean
Henry Fonda
Joan Fontaine
John Gielgud
Margaux Hemingway
Charlton Heston
Buster Keaton
Gene Kelly
Bruce Lee
Peter Lorre
James Mason
Marcello Mastroianni
Robert Mitchum
Paul Newman
David Niven
Laurence Olivier
Gregory Peck

Above is the list of actors who worked in movies and tv series.

**14- Print the shortest TV episode for each year.**

original_title	releaseyear
Episode dated 11 September 1931	1931
Episode dated 2 October 1931	1931
Episode dated 21 August 1931	1931
Episode #1.1	1931
Episode dated 18 September 1931	1931
Episode dated 26 September 1932	1932
Episode dated 20 February 1933	1933
Jack Frost	1934
Hoi Polloi	1935
Episode #1.1	1936
Episode #1.3	1937
Flat Foot Stooges	1938
The Almost Perfect Murder	1939
Knock Knock	1940
Pantry Panic	1941
Woody Woodpecker	1941
Issue No. 1	1942
Issue No. 23	1943
Issue No. 13	1943
Issue No. 19	1943
Issue No. 18	1943
Issue No. 17	1943
Issue No. 4	1943
Ski for Two	1944
The Beach Nut	1944
The Barber of Seville	1944

Shortest episode in each year is printed.(In case of same duration all are printed)

**15- You want to suggest some good movies to your friends. Genre wise print the top 3 rated movies.**

original_title	genre	rating	movie_rank
A Very Boring Book	Action	10	3
MISSION: Stealing Jackie's Movie	Action	10	2
O Judoka	Action	10	1
Nicole's Revenge	Adult	9.7	3
Busty Biker Babes	Adult	9.8	2
Girls Loving Girls	Adult	10	1
Scarlet Sparrow	Adventure	10	3
When Kings Battle	Adventure	10	2
Oxford	Adventure	10	1
Planet Blue: Journey to Eco	Animation	9.8	3
Falafel Cart	Animation	9.8	2
Kiwi's Dream	Animation	10	1
Monkey Spa	Biography	10	3
Lucifer'e and The Great Controversy	Biography	10	1
Yasenova	Biography	10	2
Go with the Flow	Comedy	10	1
Sundae	Comedy	10	3
Racismo positivo	Comedy	10	2
Red Down Failure	Crime	10	2
The Date (A Riddle...)	Crime	10	3
Change of Plans	Crime	10	1
Sandwiched	Documentary	10	3
Austria. Vienna and Baden	Documentary	10	2
The Glass Blower	Documentary	10	1
Chains of Freedom	Drama	10	2
Window View	Drama	10	1
Service not included	Drama	10	3

Top 3 movies are per ratings in each genre.

**16- Find the movies and TV series who have filmed in Switzerland. A TV series can be counted as filmed in a country if there exists at least one episode filmed in that country.**

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original_title
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1987 National League Championship Series
Megacities
Visages d'enfants
Der Kampf ums Matterhorn
Borderline
Ein toller Einfall
Der Springer von Pontresina
Jä-soo!
Die ewige Maske
Wo die Lerche singt
Accord final
Füsilier Wipf
Wachtmeister Studer
Die mißbrauchten Liebesbriefe
Gilberte de Courgenay
Romeo und Julia auf dem Dorfe
Campanadas a medianoche
Jeunes filles bien... pour tous rapports
Les choses de la vie
Odio mi cuerpo
Pas si méchant que ça
The Little Girl Who Lives Down the Lane
Greta - Haus ohne Männer
Tegeran-43
Espion, lève-toi
Who Dares Wins
Les maîtres du temps
(27 rows)

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The above are the list of movies and tv\_series which have been shot in switzerland.

**17- List all movies who have A certificate in the same location in the year 1995.**



original_title	country
Ultimate Taboo	BR
Virtual Desire	BR
Tharzan - La vera storia del figlio della giungla	BR
Injû gakuen: Shikima-kai no gyakushû	CA
The French Canal	CA
Paris Taxis	CA
Trans-Games	CA
Spa Sex	CA
Nessa no wakusei - Jokouankan: Kate	CA
Sweet Dirty Bussiness	DE
Sex-a-holic Lady	DE
Scoring	DE
Old and Young	DE
Della Borsa	DE
Ultimate Taboo	DE
Anal Festival	DE
Alm Bums	DE
Alm Bums	DE
Plastic Workshop	DE
Paprika	DE
Perverse Games	DE
New Clits on the Block	DE
New Clits on the Block	DE
New Clits on the Block	DE
Sklavenbriefe 2	DE
Tharzan - La vera storia del figlio della giungla	DE
Hot Service	DE
Tharzan - La vera storia del figlio della giungla	DE
Feuchte Muschis	DE
Feuchte Muschis	DE
Scommessa Fatale	DE
Color of Sex	DE
Vier das Geschlecht	DE

List of movies with A certificate in each country in the year 1995.

18- For each profession print the youngest one.

name	profession	birth_year
Mae Bair		2021
Adam James Sanderson	actor	2020
Kulture Cephus	actress	2018
Eileah Pyrzynski	actress	2018
Dillon Melerine	animation_department	1999
Menna Arafa	animation_department	1999
Avital Shtapura	animation_department	1999
Reed Tracy	animation_department	1999
Harrison Killian	animation_department	1999
Md Azimul Islam Sheblu	art_department	2004
Amber-Jane Madeline Francis	art_director	2002
Madeleine Adams	assistant	1999
Helyn Kerslake	assistant	1999
Titus Milo Leon	assistant_director	2014
Jim Morris	camera_department	2016
Jacob Adams-Nahachick	casting_department	2007
Jacob Adams-Nahachick	casting_director	2007
Sofia Rosinsky	cinematographer	2006
Jordan Santamaria	cinematographer	2006
Lil Bub	composer	2011
Gianni DeCenzo	costume_department	2001
Noah Perry	costume_designer	2009
Amairani Gómez	director	2020
Ali Soltanian Fard Jahromi	editor	2008
Alen Alic	editorial_department	2002
Dean Milan	editorial_department	2002
Zeppelin Ackles	executive	2017
Taylin Jolie	legal	2009
Tom Sykes	location_management	2005
Chloe Forrester	make_up_department	2009

19- Print all the music technicians(soundtrack producers) who have worked for at least 5 movies.

name	count
Sylvia Robinson	7
Ranjha Yaar	6
Robbie C. Williamson	24
Denis Clohessy	46
Sebastián Zunino	7
Eduardo Andrade	12
David Brown	22
Todd Masten	9
Flavio Ibba	6
Ki-woong Kim	14
Marcus S. Johnson	12
Justin Kearin	9
David Mansfield	62
Erwin Fajardo	5
RDB	6
Francois-Pierre Lue	5
Josh Aker	6
Günter Kochan	12
Brian D. Horrorwitz	6
Alberto Molinari	5
Sean McMahon	5
Daniela Pinto	5
Terry Frewer	568
Gauthier Keyaerts	5
Kovas	22
Karan Kulkarni	19
Harmony Samuels	5
Akhmad Bakayev	8
Vladimir Sivitskiy	31
Mark Malek	9

Music technicians and the number of movies they have worked in.

**20- Print the actor's name who has worked in as many movies as the number of crew members in the movie titled: (Put any movie as you wish).**

```
name
-----
Emily Dooley
Alena Isengildina
Anton Tabakov
Mu Chen
Robert Shearn III
Jiliane Brown
Madison Adams
Matt Ruscic
Hana Selimovic
Julie Janssens
Huy Anh Le
Aditi Prabhudeva
Doug Williams
John Hill
Evgeniy Sazonov
Rebecca Coco Edogamhe
Brando Austin
Sergey Pokhodaev
Ragnhild Nygaard
Victoria Truscott
Dinesh Prabhakar
Antonio Gozat
Shamonique Mattox
Eoin O'Dubhghaill
Silvia Filipe
Tim Hatch
Johan du Plooy
Kelvine Dumour
```

We chose a movie named 'Khaleja' and printed all the actors who acted in as many movies as the number of crew members of khaleja.

#### FILES SUBMITTED:

1. 22\_assgn3.sql - File with 20 sql queries
2. 22\_assgn3.pdf - This report file