

Assignment - 3

Group - 11

Schemas

1. Main_Class

ID (PK) TEXT	Original_title TEXT	Language_of_release TEXT	plot TEXT
tt12204380	Ningen Shikkaku #4 Shin Sekai		

genre TEXT	Budget INT	Websites TEXT	Filmed_at TEXT
Animation,Drama,H istory			

rating FLOAT	isAdult INT
9.6	0

2. Production (No info available)

Company_ID (PK)TEXT	Name TEXT

3. Movie

ID (PK) TEXT	Box_Office (INT)
tt13641124	4360000

4. Awards (No info available)

Year INT	Category TEXT	Award_Name TEXT

5. Series

ID (PK) TEXT
tt0038309

6. Episode

episodeid (PK) TEXT	seriesid TEXT	Season_Number INT	Episode_Number INT
tt0063187	tt0396335	1	6

Rating float	Episode_Name text	Plot text

7. Location

ID (PK) INT	Region TEXT	Country TEXT
3	KP	

8. Person

SSN TEXT	Name TEXT	birthYear INT
nm0000375	Robert Downey Jr.	1965

deathYear INT	Gender TEXT

9. Users (No info available)

SSN (PK) TEXT

10. Is_Producing (No info available)

ID TEXT	Company_ID TEXT

11. Nomination_MainClass (No info available)

ID (INT)	Year (INT)	Award_Name (TEXT)	Category (TEXT)	Won (INT)

12. Air_info_Movies

movieid (TEXT)	locationid (INT)	Release_title (TEXT)	Run_time (TEXT)	Release_date (INT)	Certificate (TEXT)	Parental_Guidance (TEXT)
tt0033467	70	Citizen Kane	119	1941	UA	

13. Episode_releases_in

episodeid (TEXT)	locationid (INT)	Release_title (TEXT)	Run_time (TEXT)	Release_date (INT)	Parental_Guidance (TEXT)
tt1559143	132	Senritsu	23	2008	

14. air_info_Series

seriesid (TEXT)	locationid (INT)	Release_title (TEXT)	Start_date (INT)	End_date (INT)	Certificate (TEXT)	Is_Running (INT)
tt0046642	1	Sherlock Holmes	1954	1955	PG-13	

15. User_Rates_Reviews_in_movies (No info available)

ID (TEXT)	SSN (TEXT)	Rating (FLOAT)	Review (TEXT)

16. User_Rates_Reviews_in_series

SSN (PK, FK) TEXT	episodeid(PK, FK) TEXT	Rating(FLOAT)	Review (TEXT)

17. Cast_Crew

SSN (PK, FK) INT
nm0000001

18. Nomination_People (No info available)

ssn (PK, FK) INT	Year (PK, FK) INT	Award_name(PK, FK) TEXT	Category(PK, FK) TEXT	WON (INT)

19. Partofepisode

ssn(PK, FK) TEXT	ID (PK) INT	Role(TEXT)
nm3791149	tt0062854	actor

20. Part_of_movie

ssn(PK, FK)TEXT	ID(PK, FK) TEXT	Role(TEXT)	Job(TEXT)
nm0294165	tt0024091	director	

Results

1. There are 198368 entries for this query. We took the screenshot showing some of them.

id	original_title
tt0855011	Mrs. Ratcliffe's Revolution
tt0855864	Letzte Bergfahrt
tt0855865	Little Britain's Big Swim
tt0856011	Somnitelno lice
tt0856193	L'enfer à dix ans
tt0856262	Nan guo feng yun
tt0856277	Sunset Motel
tt0856280	Tres en el camino
tt0856808	El retaule del flautista
tt0856817	So oder so ist das Leben: Vier Begegnungen in einer Großstadt
tt0857179	Na poczatku
tt0857249	Parade
tt0857250	Paura d'amare
tt0857269	Tommy kehrt zurück
tt0857329	The Nothing Man
tt0858443	Fétiche en voyage de nocces
tt0858466	The Moose

2. The base tsv file that we have considered for populating **part_of_movie**(table that contains the people who are part of a particular movie) is *names.basics.tsv*. This table is not having the complete information about the actors hence we are getting 0 rows. If one would have considered *title.principals.tsv* as base file then one would get non zero entries.

actorssn	name
(0 rows)	

imdb=#

3. As we didn't have any info regarding awards we just wrote an SQL query assuming the above schema.

4. There are 174667 pairs of actor and movie director, provided that the movie done by them has a rating above 7 and movie done by the pair should be at most 2.

actorname	directorname	count
'58' Pal Gunna	Kamal Ahmed	1
'Auntie' Mackay	Fred C. Newmeyer	1
'Auntie' Mackay	Sam Taylor	1
'Big' Mike Burrelle	Robert Houston	1
'Cowboy' James Hollan	Gore Verbinski	2
'Dangerous' Bob Widin	Robert Zemeckis	1
'Honey' the Professional Waitress	Ishai Setton	1
'Junior' Burchinal	Mike Nichols	1
'King Kong' Kashey	Howard Hawks	1
'Lonesome' Dave Peverett	Richard Linklater	1
'Malibu' Mike Bryant	Christopher Nolan	1
'Patrock' Patrick Schulze	Thomas Ostermeier	1
'Punnagai Poo' Geetha	Karthik Shamalan	1
'Punnagai Poo' Geetha	Vikneshwaran Subramaniam S.S.	1
'Rico' Enrico Schwarz	Thomas Ostermeier	1
'Sancho' Christian Garmatter	Thomas Ostermeier	1
'Skip' Marsh	Mike Nichols	1
'Squeeks' the Caterpillar	David Hand	1
'Squeeks' the Caterpillar	Wolfgang Reitherman	1
'Tonnage' Martin Wolfkeil	Fred Guiol	1
3.D. Music	Adam Gonzalez	1
999	Leonard Schrader	1
999	Sheldon Renan	1
A Normale Jef	Bo! Campbell	1
A Normale Jef	Brian Lockyer	1
A Normale Jef	Chris Wells	1
A Normale Jef	Craig Ouellette	1
A Normale Jef	Craig Stewart	1
A Normale Jef	Doug Turner	1
A Normale Jef	Evan Marlowe	1
A Normale Jef	Ferran Brooks	1
A Normale Jef	Gav Chuckie Steel	1

5. We populated the start_date and end_date of a tvSeries from 'titles.basics.tsv'.
The name of the TV series which aired for the longest duration

seriesid	release_title	time_run
tt13899520	The McDaniel Sisters Company	107

6. There are 986 directors who directed the 2nd shortest movie in the year 2020. Hence we took the screenshot showing some of them.

name	title	runtime	runtime rank
Louise Dalton	Neat Cleats	2	2
Ian Roderick Gray	28 Maryon Grove	2	2
Christopher E. Richardson	When we overcome this pandemic...	2	2
Gerry Orz	Captured	2	2
Suzanne Webcke	Andy's Adventure	2	2
Tyler Franta	Uf... coping with Covid	2	2
Tomfoolery	Two Mice	2	2
John Rizzo	Exiled	2	2
Elliot Harvey	These Paws Are Yours	2	2
Maya Peredes	Eneny	2	2
Evan Wendell	Eneny	2	2
Kennedy Dixon	Eneny	2	2
Aashray Harishankar	Eneny	2	2
Joey Fameli	Boxed	2	2
Zach Rosentiehl	Eneny	2	2
Michelle Cheng	Eneny	2	2
Nik Tyler	End Live-Shackle Slaughter PSA	2	2
Lindsay Dills	Eneny	2	2
Jess Westberg	End Live-Shackle Slaughter PSA	2	2
Alejandra Gonzalez	Eneny	2	2
Janelle Feng	Eneny	2	2

7. The first row in the output is of the adult movie with the lowest average rating followed by adult series.

id	title	rating	ratingrank
tt10670890	Bruce LaBruce's Flea Pit	2.1	1
tt6342506	2 Girls 1 Finger	1	1

(2 rows)

imdb=#

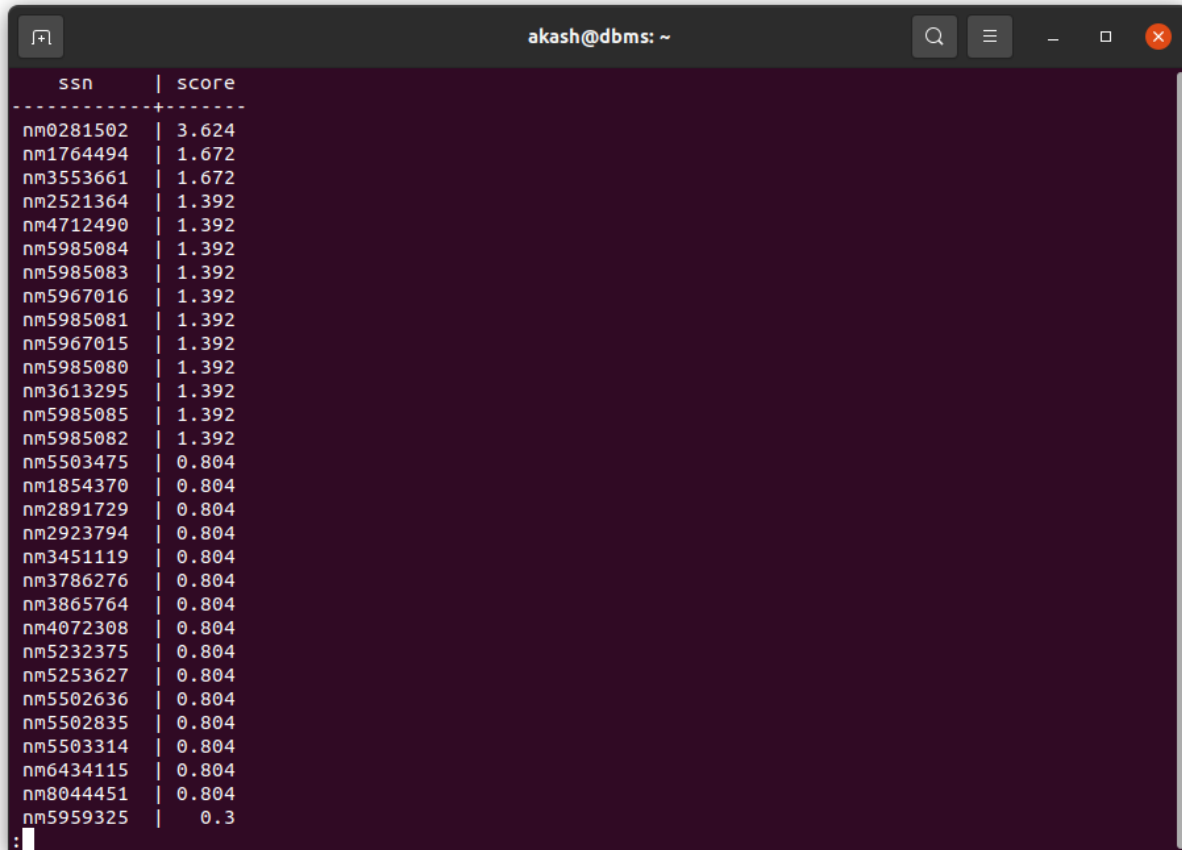
8. There were 1493 rows with top 5 directors based on their distinct average rating of all the movies he/she has directed. In case they are equal we printed all of them.

ssn	name	avg_rating	row_number
nm5398396	Karen Meschnigg	10	1
nm5559534	Juan Francisco Pérez Villalba	10	1
nm5358217	Hauì	10	1
nm5387252	F. Clint DeNisco	10	1
nm5394670	Mihajlo Vitezovic	10	1
nm5559688	Clara Mejía	10	1
nm5900733	Carlos Alfredo Mora	10	1
nm5900732	Hernán Monsalve	10	1
nm5871230	Ana María Vargas	10	1
nm5486221	Francesca Incudine	10	1
nm5560249	César Saleh	10	1
nm5362059	Bente Lerøy	10	1
nm5440257	Modris Tenisons	10	1
nm5440114	Clarks	10	1
nm6029418	José Pablo Bárcenas	10	1
nm5863475	Carla Simpson	10	1
nm5399035	Claudia Krazny	10	1
nm5801322	Buzzsaw	10	1
nm5505708	Lourdes Duque Baron	10	1
nm5471077	Octavian Repede	10	1
nm5559980	Edwin Herrera Ruiz	10	1
nm5371165	Priscilla Elias	10	1
nm5399972	Christian Malin	10	1
nm5399550	David Süss	10	1
nm5440084	Tomas Girdzijauskas	10	1
nm5440219	Feliksas Bajoras	10	1
nm5560539	Alexander Díaz	10	1
nm5642716	María Lucía Morales	10	1
nm5900734	Jaime Toro	10	1
nm5469932	Martin Fobes	10	1
nm6029416	María Fernanda Rico	10	1
nm6029417	Catalina Echeverri Rubiano	10	1
nm6323766	Red Cloud	10	1

9. There was no data about the Production companies and Country of Regions. So we were not able to get the results, but we considered the availability in our query.

10. There was no data about the awards in the IMDB database. So we were not able to get the results, but we considered the availability in our query.

11. For this query we added a new column JOB into the part_of_movie table and loaded the data from title.principals.tsv which we didn't before in the previous assignment. There are 51 rows in the outcome of this query. We considered that if a person is a director and not assistant director in any movies then the corresponding assistant director score would be zero. This goes the same for a person who is an assistant director but not a director.



A terminal window titled 'akash@dbms: ~' displays the output of a query. The output is a table with two columns: 'ssn' and 'score'. The table contains 51 rows of data. The 'ssn' column lists various IDs, and the 'score' column shows numerical values. The window has a dark background and standard terminal window controls (search, menu, zoom, close) in the top right corner.

ssn	score
nm0281502	3.624
nm1764494	1.672
nm3553661	1.672
nm2521364	1.392
nm4712490	1.392
nm5985084	1.392
nm5985083	1.392
nm5967016	1.392
nm5985081	1.392
nm5967015	1.392
nm5985080	1.392
nm3613295	1.392
nm5985085	1.392
nm5985082	1.392
nm5503475	0.804
nm1854370	0.804
nm2891729	0.804
nm2923794	0.804
nm3451119	0.804
nm3786276	0.804
nm3865764	0.804
nm4072308	0.804
nm5232375	0.804
nm5253627	0.804
nm5502636	0.804
nm5502835	0.804
nm5503314	0.804
nm6434115	0.804
nm8044451	0.804
nm5959325	0.3

12. We were able to get the Box office info from the IMDB database but there was no data about the budget. So we were not able to get the results, but we considered both the values available and proceeded with our query.

13. There were 35 entries for actors who acted both in movies and in TV shows. Hence we took the screenshot showing some of them.

```
name
-----
Lee Duval
Marilyn Downey
George Barnes Jr.
Grégoire Lavollay-Porter
Isabelle Anderson
Stanislas Carré de Malberg
Pierre Junières
Roberto Da Crema
Tim Whitmer
John Manson
Philipp Dunkel
Ben Westerman
Chad Glover
Chad Glover
John Northam
Dennis Proulx
John Northam
A. Smirnova
A. Smirnov
Jeff Ashworth
Jeff Ashworth
Felix Herzogenrath
Jeff Ashworth
Simone Piazzola
Tamar Iveri
Ashley Cardaman
Andrés Gasch
Andrés Gasch
Adam Lee
Masayasu Eguchi
Maritza Silvas
Juhee Jang
Morgan Sweeney
:
```

14. The output for the query of the shortest TV episode for each year, it had entries from the year 1936 to 2022.

episode_name	release_date	runtime
	1936	30
	1937	10
	1938	20
	1939	15
	1946	10
	1947	90
	1948	17
	1949	12
	1950	4
	1951	10
	1952	17
	1953	12
	1954	6
	1955	5
	1956	2
	1957	3
	1958	1
	1959	5
	1960	2
	1961	4
	1962	2
	1963	2
	1964	2
	1965	2
	1966	2
	1967	5
	1968	2
	1969	2
	1970	5
	1971	1
	1972	1
	1973	1
	1974	4

15. There were a total of 84 rows for top 3 movies ranked based on their average rating from different genres.

moviename	genre	ratingrank
The Darkness Within	Action	1
By Other Means	Action	2
Payback Time	Action	3
Love Thirsty	Adult	1
Office of Fart Smell of OL	Adult	2
Le calde labbra bagnate di Moana	Adult	3
Can You Survive the Zombie Apocalypse?	Adventure	1
Seven Lanterns	Adventure	2
Dust Request: A Last Will and Testament	Adventure	3
The Male Mosquito	Animation	1
Certik Fidibus	Animation	2
Daybreak Internal: Death, Birth	Animation	3
Flow	Biography	1
Open Letter	Biography	2
Memory Theater	Biography	3
Guglhupfgeschwader	Comedy	1
Dream Sequence 4	Comedy	2
Newbie	Comedy	3
Golden Boy vs. Killing	Crime	1
Esther Redeemed	Crime	2
Küsse, die töten	Crime	3
Wawa Wasi	Documentary	1
I Remember Herb Caen	Documentary	2
Neighbours	Documentary	3

16. For this query we used LIKE operator for matching the string 'Switzerland'. As there were no entries in the filmed_at column main_class table that contains information about there is no output for the query.

17. Since the release date was needed for this query we populated it.
There were a total of 89 rows who have A certificate in the same location in the year 1995.

movieid	release_title	locationid
tt0112641	Casino	1
tt0112864	Die Hard: With a Vengeance	1
tt0114814	The Usual Suspects	1
tt0114369	Se7en	1
tt0114565	A Streetcar Named Desire	1
tt0114746	Twelve Monkeys	1
tt0113277	Heat	1
tt0112573	Braveheart	1
tt0112579	The Bridges of Madison County	1
tt0112641	Casino	4
tt0114814	The Usual Suspects	4
tt0112573	Braveheart	4
tt0113277	Heat	4
tt0112641	Casino	7
tt0112641	Casino	8
tt0112641	Casino	13
tt0114814	The Usual Suspects	13
tt0112864	Die Hard: With a Vengeance	13
tt0112579	The Bridges of Madison County	13
tt0113277	Heat	13
tt0114746	Twelve Monkeys	13
tt0112573	Braveheart	13
tt0114369	Se7en	13
tt0112641	Casino	20
tt0112641	Casino	37
tt0112641	Casino	38
tt0114369	Se7en	38
tt0112864	Die Hard: With a Vengeance	45
tt0112641	Casino	49
tt0112573	Braveheart	49
tt0113277	Heat	49
tt0113277	Heat	49
tt0113277	Heat	61

18. Here we have taken distinct roles as our professions.

ssn	name	birthyear	profession	rank_person
nm11946672	Kyle Ivy	2020	actor	1
nm10913258	Shea Lightfoot	2019	actress	1
nm4309610	Donald Trump III	2009	archive_footage	1
nm5373238	Sam Lavagnino	2006	archive_sound	1
nm11017435	Stormi Webster	2018	cinematographer	1
nm0606642	Jim Morris	2016	composer	1
nm0606642	Jim Morris	2016	composer	1
nm12203950	Amairani Gómez	2020	director	1
nm7524416	Thea Eddey	2015	editor	1
nm3577031	Madeline Neumann	2018	producer	1
nm10763361	Darianne Breault	2014	production_designer	1
nm11183210	Miriam Spumpkin	2014	production_designer	1
nm7175438	Fox Lancaster	2014	production_designer	1
nm11017435	Stormi Webster	2018	self	1
nm12122609	Adam James Sanderson	2020	writer	1

(15 rows)

19. In the tsv files, we have observed that the role of music producer, director etc is composer. Hence we have considered all those entries whose role is 'composer'.

```

ssn | nummovies
-----+-----
(0 rows)

```

20. There are 4185390 actors who have worked in as many movies as the number of crew members in the movie titled: **One Act Play**.

name	ssn
John Beal	nm0003395
Jonathan Aaron	nm0007479
Karen Abbott	nm0008001
Billy Joel Ablaza	nm0008800
Maria Acosta-Colon	nm0010258
Mercedes Aguirre	nm0013731
Kevin Aidoud	nm0014497
Sylvie Alm	nm0014628
Adeniri S. Ajamu	nm0014967
Aya Akahori	nm0015052
Nazih Akleh	nm0015467
Rafael Aladro	nm0015797
Lucirene Aldous	nm0017638
Rochy Alex	nm0018212
Bob Allward	nm0021654
Joan Amick	nm0024829
Aidil Bin Amin	nm0024903
Pierre Anais	nm0025587
Reynaldo Anaya	nm0025759
Hanne Andersen	nm0026151
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