

Assignment 1

Q2) Find the 10 Action movies with the newest premiere date whose original title is not the same as its primary title.

```
sqlite> select premiered || '|' || primary_title || '(' || original_title || ')' AS output
...> from titles
...> where genres like '%Action%' and primary_title!=original_title
...> order by premiered DESC, primary_title
...> limit 100;
```

```
2027|The Adventures of Tintin: Red Rackham's Treasure (Untitled Adventures of Tintin Sequel)
2023|Star Wars: Rogue Squadron (Rogue Squadron)
2022|ASSASSINATORS: Vendetta (Assassins: Vendetta)
2022|Cyber Heist (Dyun mong)
2022|Detective vs. Sleuths (San taam daai zin)
2022|Dragon Ball Super: Super Hero (Doragon boru supa hiro)
2022|Etab Life: Great Escape (Esutabu Raifu Gureito Eukepu)
2022|Fullmetal Alchemist: Final Transmutation (Hagane no Renkinjutsushi: Kanketsu-hen - Saigo no Rensei)
2022|Kamen Rider 000 10th: The Core Medals of Resurrection (Kamen Raidô Ôzu 10th: Fukkatsu no Coa Medaru)
2022|Khuda Haafiz Chapter 2 Agni Pariksha (Khuda Haafiz Chapter II: Agni Pariksha)
2022|Kirby and the Forgotten Land (Hoshi no Kâbi: Disukabari)
2022|Ladybug & Cat Noir: The Movie (Ladybug & Cat Noir: Awakening)
2022|Midnight Suns (Midnight Sons)
2022|Mobile Suit Gundam: Cucuruz Doan's Island (Kidô senshi Gundam Cucuruz Doan no shima)
2022|Monster High: The Movie (Monster High)
2022|Pokémon Scarlet (Poketto monsutâ sukâretto)
2022|Skeleton Knight in Another World (Gaikotsu Kishi-sama, Tadaima isekai e odekake-chû)
2022|Soul Hackers 2 (Souru hakkâzu 2)
2022|Stories Not to Be Told (Historias para no contar)
2022|The Cuphead Show! (Carn-Evil)
2022|The Killer (Jugeodo Doeneun Ai)
2022|The Pilot (Pilote)
2022|The Roundup (Beomjoidosi 2)
2022|The Takedown (Loin du périph)
2022|Twokaiser x Gokaiger: June Bride is Tanuki Flavour (Tsûkaizâ x Gokaizâ Jûnburaido wa Tanuki Aji)
2022|Under Military Law: The Rebellion (Under Military Law 5)
2022|Watch Out, We're Mad (Altrimenti ci arrabbiamo)
```

Q3) Find the top 20 longest running tv series.

```
sqlite> select primary_title as title,
...> (case when ended is null then 2023 else ended end - premiered) as years_running
...> from titles
...> where type = 'tvSeries' and premiered is not null
...> order by years_running DESC, title
...> limit 20;
```

```
Looney Tunes|93
Alice Remsen|92
Hints for Swimmers|92
Robert Campbell|91
Talkie Songs|91
Messeanimals|88
1937 Coronation|86
Sports Review|86
The Disorderly Room|86
Craftsmen at Work|85
Looney Tunes|84
WNBC-TV News|82
Johnny Olson's Rumpus Room|77
Party Line|77
See What You Know|77
Broadway Spotlight|76
Play the Game|76
WJLA ABC 7 News|76
Allen and Kendal|75
Barney Blake, Police Reporter|75
```

Q4) List the number directors born in each decade since 1900. (Not sure why answer is not matching exactly)

```
sqlite> select (born/10) * 10 || 's' as decade,  
...> count(*) as num_directors  
...> from people  
...> join crew on people.person_id = crew.person_id  
...> where crew.category = 'director' and born >=1900  
...> group by decade  
...> order by decade;
```

```
1900|8457  
1910|18659  
1920|21814  
1930|32342  
1940|37730  
1950|31417  
1960|28406  
1970|28903  
1980|17855  
1990|3722  
2000|244  
2010|1  
2020|1
```

Q5) Compute statistics about different type of works that has a German title.

```
select titles.type, round(avg(ratings.rating,2)) as avg_rating,  
min(ratings.rating) as min_rating, max(ratings.rating) as max_rating  
from titles  
join akas on titles.title_id = akas.title_id  
join ratings on titles.title_id = ratings.title_id  
where akas.language = 'de'  
and akas.types in ('imdbDisplay','original')  
group by titles.type  
order by avg_rating;
```

```
movie|6.65|3.4|8.2  
tvMovie|6.77|5.5|7.3  
tvEpisode|6.9|6.9|6.9  
short|7.12|5.0|8.1  
tvMiniSeries|7.2|7.2|7.2  
videoGame|7.2|7.2|7.2  
tvSeries|7.63|7.0|8.5
```

Q6) List the 10 highest rated actors who played a character named "Batman" (There are many people playing batman but for some reason they don't have a rating associated?)

```
sqlite> select people.name, round(avg(ratings.rating),2) as avg_rating
...> from crew
...> join people on crew.person_id = people.person_id
...> join titles on titles.title_id = crew.title_id
...> join ratings on crew.title_id = ratings.title_id
...> where crew.characters like '%Batman%'
...> group by people.name
...> order by avg_rating desc
...> limit 10;
```

```
Doug Walker|7.8
David Mazouz|7.8
Fábio Coutinho|7.5
Kevin Michael Richardson|7.3
Lionel Abelanski|6.8
Jason O'Mara|6.7
Dewayne Bontrager|6.6
Jordan Glindomrong|3.4
```

Q7) List the number of actors or actress who were born on the year that "The Prestige" was premiered.

```
sqlite> with PrestigeYear as ( select premiered from titles
...> where primary_title = 'The Prestige')
...> select count(distinct people.person_id) as number
...> from people
...> join crew on people.person_id = crew.person_id
...> where crew.category in ('actor' , 'actress')
...> and people.born = (select premiered from PrestigeYear);
```

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Q8) Find all the directors who have worked with an actress with first name "Rose".

```
sqlite> select distinct director.name as dir_name from crew c
...> join people director on c.person_id = director.person_id
...> join crew act on c.title_id = act.title_id
...> join people actress on act.person_id = actress.person_id
...> where c.category = 'director'
...> and actress.name like 'Rose%'
...> and act.category = 'actress'
...> order by director.name
...> ;
```

Aimé Forget
Alan Cooke
Albert Zugsmith
Alex Schead
Alexander Gardiner
Amber Edwards
Amma Asante
Angelica Cristina Dio
Anthony Barajas
Anthony Garner
Anthony Parker
Asad Panjwani
Bill Hitchcock
Bruce Kessler
Bruno Piney
Butch Hartman
Bénédicte Delmas
Cedric Messina
Charles Beeson
Christophe Douchand
Clark Jones
Colin Barr
Cullen McGraw
Daniel Leahey
Daniel Wyland