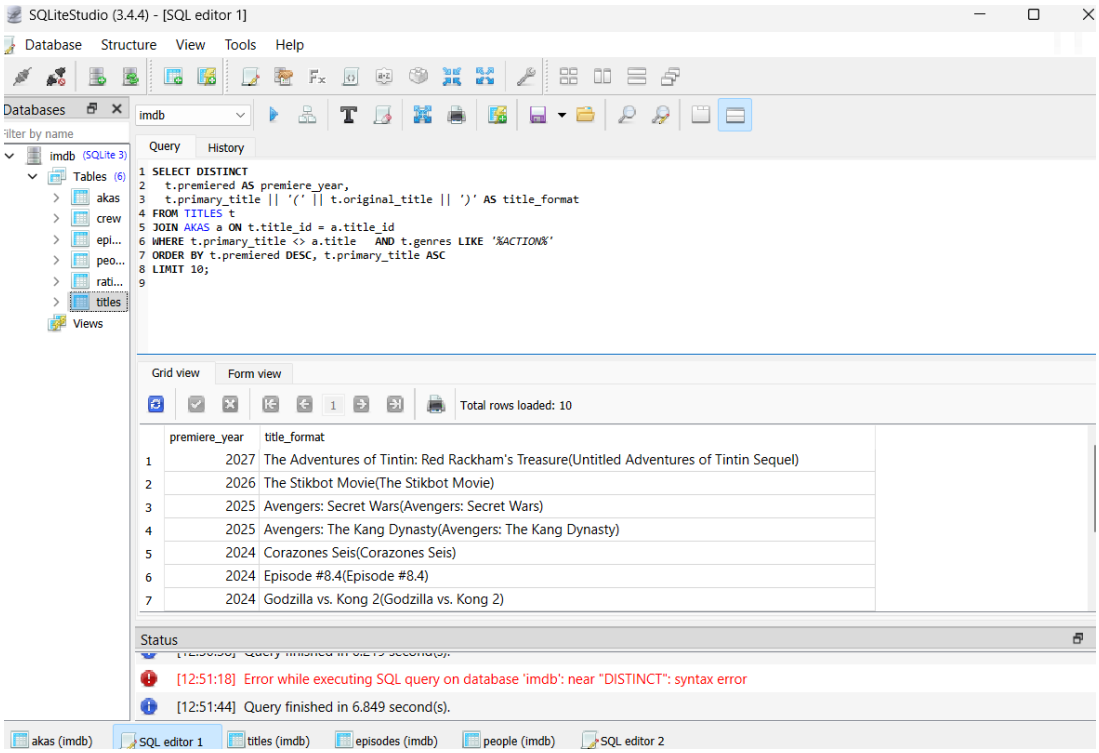
Question 2)

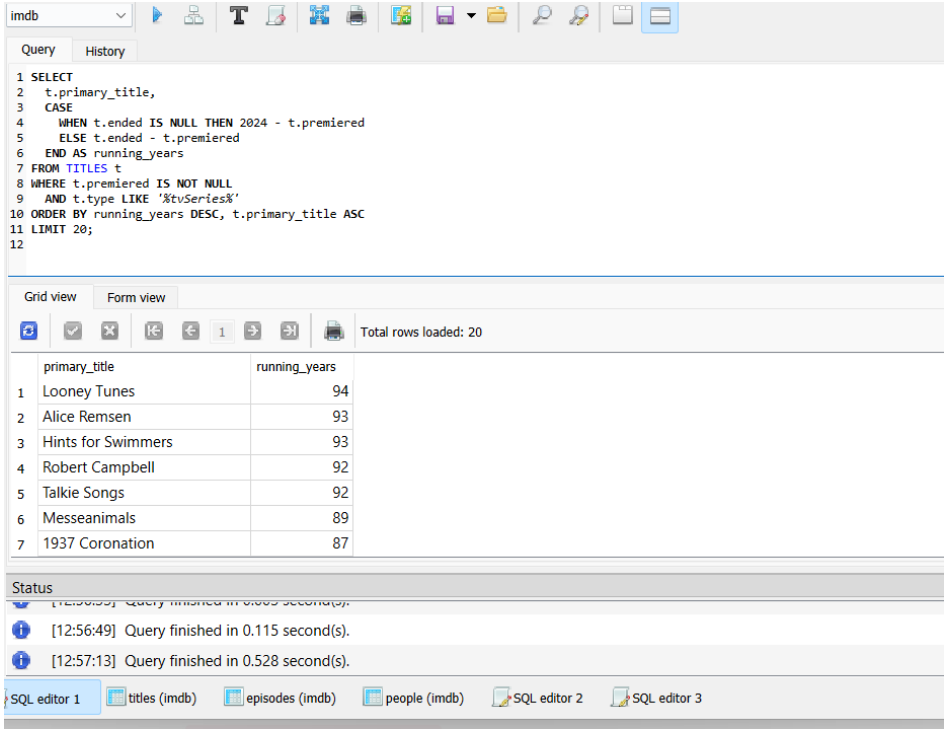
```
SELECT DISTINCT
  t.premiered AS premiere_year,
  t.primary_title || '(' || t.original_title || ')' AS title_format
FROM TITLES t
JOIN AKAS a ON t.title_id = a.title_id
WHERE t.primary_title <> a.title   AND t.genres LIKE '%ACTION%'
ORDER BY t.premiered DESC, t.primary_title ASC
LIMIT 10;
```



Question 3)

```
SELECT
  t.primary_title,
  CASE
    WHEN t.ended IS NULL THEN 2024 - t.premiered
    ELSE t.ended - t.premiered
  END AS running_years
```

```
FROM TITLES t
WHERE t.premiered IS NOT NULL
  AND t.type LIKE '%tvSeries%'
ORDER BY running_years DESC, t.primary_title ASC
LIMIT 20;
```



Question 4)

```
SELECT DISTINCT
  (FLOOR(born / 10) * 10) || 's' AS decade,
  COUNT(DISTINCT person_id) AS num_directors
FROM people
JOIN crew USING (person_id)
WHERE crew.category = 'director'
  AND born >= 1900
GROUP BY FLOOR(born / 10) * 10
ORDER BY FLOOR(born / 10) * 10;
```

imdb

Query History

```
SELECT DISTINCT
  (FLOOR(born / 10) * 10) || 's' AS decade,
  COUNT(DISTINCT person_id) AS num_directors
FROM people
JOIN crew USING (person_id)
WHERE crew.category = 'director'
  AND born >= 1900
GROUP BY FLOOR(born / 10) * 10
ORDER BY FLOOR(born / 10) * 10;
```

Grid view Form view

Total rows loaded: 13

	decade	num_directors
1	1900s	376
2	1910s	389
3	1920s	721
4	1930s	810
5	1940s	999
6	1950s	1084
7	1960s	1625

Question 5)

```
SELECT
    t.type AS TITLE_TYPE,
    ROUND(AVG(r.rating), 2) AS AVG_RATING,
    MIN(r.rating) AS MIN_RATING,
    MAX(r.rating) AS MAX_RATING
FROM
    titles t
JOIN
    akas a ON t.title_id = a.title_id
JOIN
    ratings r ON t.title_id = r.title_id
WHERE
    a.language = 'de'  -- Language column for German titles
    AND a.types IN ('imdbDisplay', 'original')  -- akas types are either 'imdbDisplay' or 'original'
GROUP BY
    t.type
ORDER BY
    AVG_RATING ASC;
```

20.

Grid view | Form view

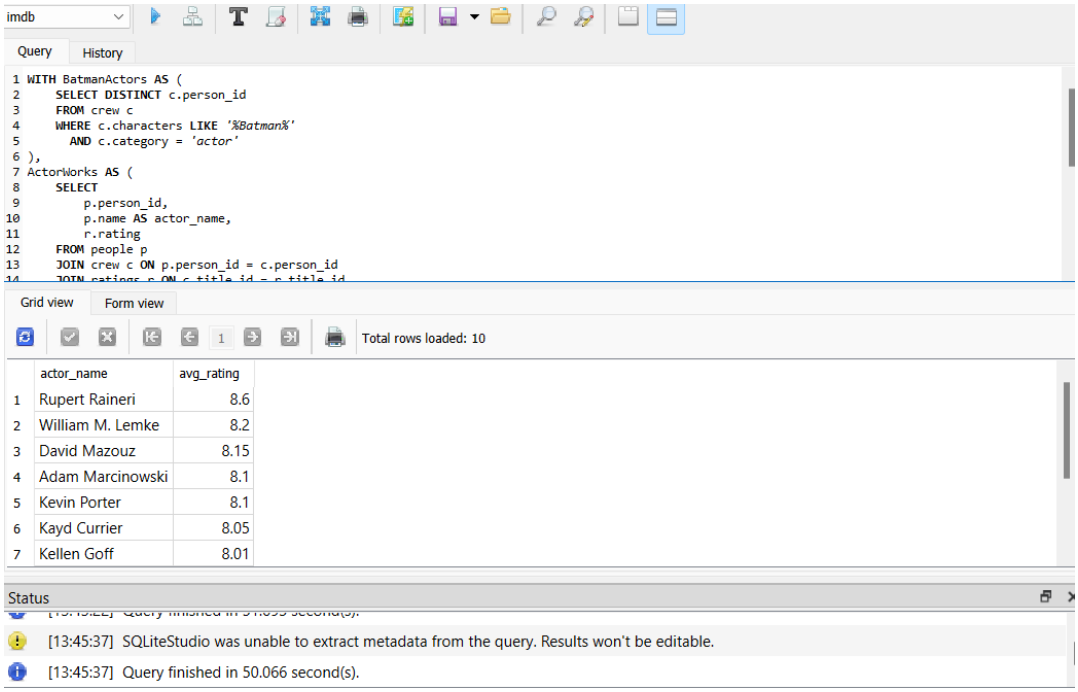
Total rows loaded: 7

	TITLE_TYPE	AVG_RATING	MIN_RATING	MAX_RATING
1	movie	6.65	3.4	8.2
2	tvMovie	6.77	5.5	7.3
3	tvEpisode	6.9	6.9	6.9
4	short	7.12	5	8.1
5	tvMiniSeries	7.2	7.2	7.2
6	videoGame	7.2	7.2	7.2
7	tvSeries	7.63	7	8.5

Question 6)

```
WITH BatmanActors AS (
    SELECT DISTINCT c.person_id
    FROM crew c
    WHERE c.characters LIKE '%Batman%'
      AND c.category = 'actor'
),
ActorWorks AS (
    SELECT
        p.person_id,
        p.name AS actor_name,
        r.rating
    FROM people p
    JOIN crew c ON p.person_id = c.person_id
    JOIN ratings r ON c.title_id = r.title_id
    WHERE p.person_id IN (SELECT person_id FROM BatmanActors)
),
ActorRatings AS (
    SELECT
        actor_name,
        ROUND(AVG(rating), 2) AS avg_rating
    FROM ActorWorks
    GROUP BY actor_name
```

```
)
SELECT actor_name, avg_rating
FROM ActorRatings
ORDER BY avg_rating DESC
LIMIT 10;
```

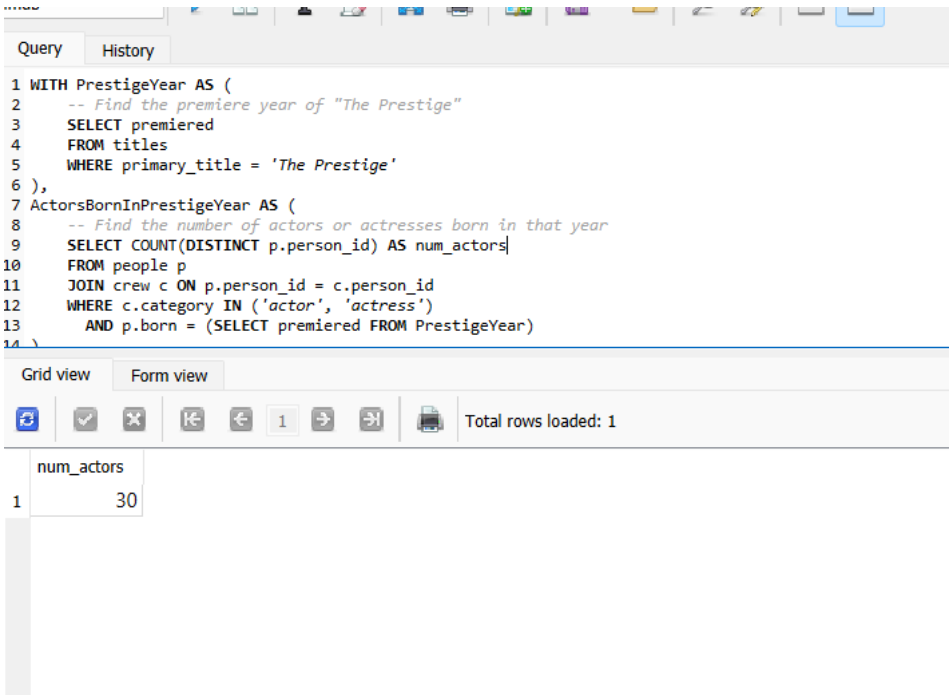


Question 7)

```
WITH PrestigeYear AS (
    -- Find the premiere year of "The Prestige"
    SELECT premiered
    FROM titles
    WHERE primary_title = 'The Prestige'
),
ActorsBornInPrestigeYear AS (
    -- Find the number of actors or actresses born in that year
    SELECT COUNT(DISTINCT p.person_id) AS num_actors
    FROM people p
    JOIN crew c ON p.person_id = c.person_id
    WHERE c.category IN ('actor', 'actress')
      AND p.born = (SELECT premiered FROM PrestigeYear)
)
```

SELECT num_actors

FROM ActorsBornInPrestigeYear;



Question 8)

WITH ActressesNamedRose AS (

-- Find all actresses with the first name "Rose"

SELECT DISTINCT p.person_id

FROM people p

JOIN crew c ON p.person_id = c.person_id

WHERE c.category = 'actress'

AND p.name LIKE 'Rose%'

),

TitlesWithRose AS (

-- Find all titles that these actresses have worked on

SELECT DISTINCT c.title_id

FROM crew c

WHERE c.person_id IN (SELECT person_id FROM ActressesNamedRose)

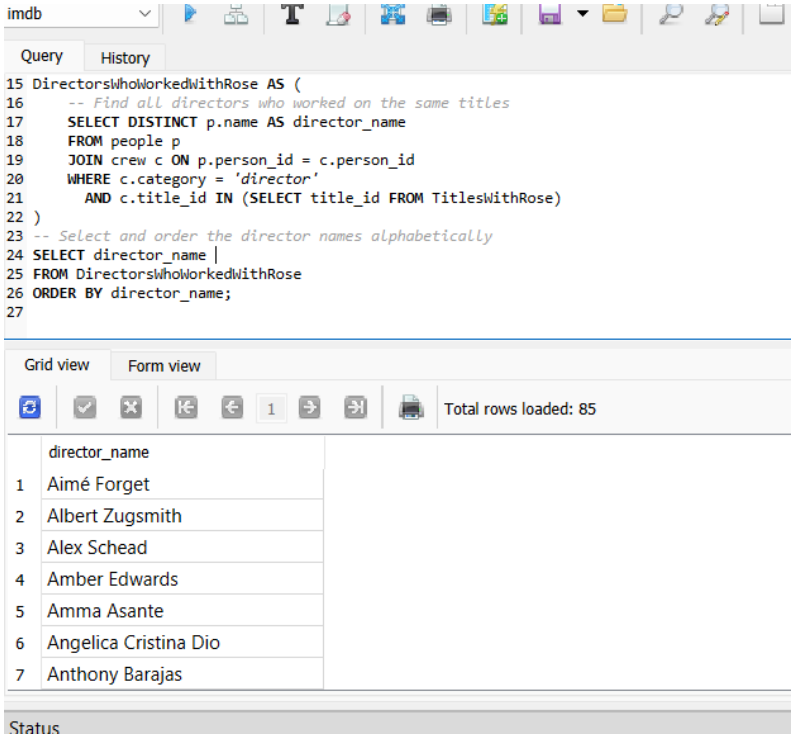
),

DirectorsWhoWorkedWithRose AS (

-- Find all directors who worked on the same titles

SELECT DISTINCT p.name AS director_name

```
    FROM people p
    JOIN crew c ON p.person_id = c.person_id
    WHERE c.category = 'director'
      AND c.title_id IN (SELECT title_id FROM TitlesWithRose)
)
-- Select and order the director names alphabetically
SELECT director_name
FROM DirectorsWhoWorkedWithRose
ORDER BY director_name;
```



Question 9)

```
WITH RankedActors AS (
SELECT
p.name,
c.category,
p.died,
t.runtime_minutes,
t.primary_title AS longest_work_title, -- Use primary_title instead of title
ROW_NUMBER() OVER (
PARTITION BY c.category, p.name
```

```
ORDER BY t.runtime_minutes DESC, t.title_id ASC
) AS rank
FROM
people p
JOIN
crew c ON p.person_id = c.person_id
JOIN
titles t ON c.title_id = t.title_id
WHERE
p.died IS NOT NULL
AND t.runtime_minutes IS NOT NULL
),
Top5ActorsPerCategory AS (
SELECT
ra.name,
ra.category,
ra.died,
ra.runtime_minutes,
ra.longest_work_title, -- Include the longest work title
ROW_NUMBER() OVER (
PARTITION BY ra.category
ORDER BY ra.died ASC, ra.name ASC
) AS category_rank
FROM
RankedActors ra
WHERE
ra.rank = 1
)
SELECT
category,
name,
died,
```

longest_work_title, -- Include the longest work title in the final output

runtime_minutes,

category_rank

FROM

Top5ActorsPerCategory

WHERE

category_rank <= 5

ORDER BY

category, -- Sort alphabetically by category

died, -- Then by year of death

name

```
SELECT
    category,
    name,
    died,
    longest_work_title,  -- Include the longest work title in the final output
    runtime_minutes,
    category_rank
FROM
    Top5ActorsPerCategory
WHERE
    category_rank <= 5
ORDER BY
    category,          -- Sort alphabetically by category
    died,              -- Then by year of death
    name;              -- Finally by alphabetical order of name
```

Grid view | Form view

Total rows loaded: 60

	category	name	died	longest_work_title	runtime_minu	category_ran
1	actor	Verner Clarges	1911	A Summer Idyll	17	1
2	actor	George Ober	1912	The Curio Hunters	9	2
3	actor	Antonio Grisanti	1914	Parsifal	50	3
4	actor	Robert Drouet	1914	Beverly of Graustark	57	4
5	actor	John Bunny	1915	Hearts and Diamonds	33	5
6	actress	Mrs. E.M. Kimball	1919	The Delayed Letter	11	1
7	actress	Clarine Seymour	1920	The Idol Dancer	104	2
8	actress	Katherine Griffith	1921	Huckleberry Finn	70	3
9	actress	Virginia Rappe	1921	His Musical Sneeze	19	4
10	actress	Lillian Russell	1922	La Tosca	30	5

Question 10)