# USE FINAL; -- QUESTION 9: -- oldest director SELECT name, birthdate FROM director ORDER BY birthdate ASC LIMIT 1; -- youngest director SELECT name, birthdate FROM director ORDER BY birthdate LIMIT 1;

```
-- QUESTION 9:
          -- oldest director
   5 •
          SELECT name, birthdate
          FROM director
          ORDER BY birthdate ASC
          LIMIT 1;
  10
          -- youngest director
  11 •
          SELECT name, birthdate
  12
          FROM director
          ORDER BY birthdate DESC
  13
  14
          LIMIT 1;
  15
                                              Export: Wrap Cell Content: 🔀 Fetch rows:
Result Grid Filter Rows:
                       birthdate
Francis Ford Coppola
                      1939-04-07
```

# -- QUESTION 12:

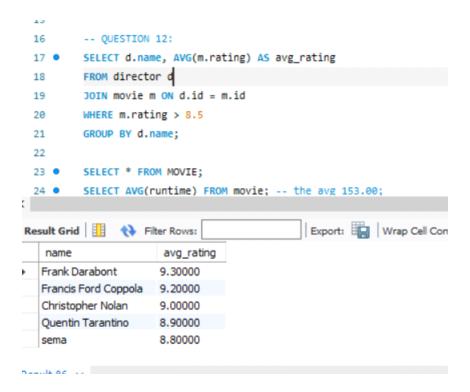
SELECT d.name, AVG(m.rating) AS avg\_rating

FROM director d

JOIN movie m ON d.id = m.id

WHERE m.rating > 8.5

GROUP BY d.name;



SELECT \* FROM MOVIE;

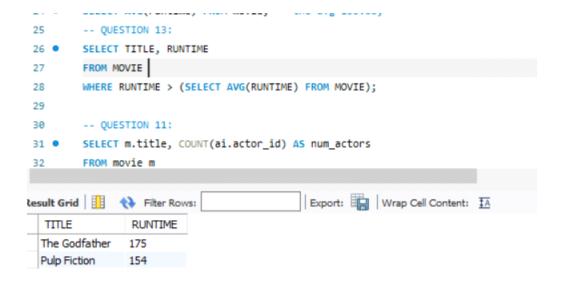
SELECT AVG(runtime) FROM movie; -- the avg 153.00;

-- QUESTION 13:

SELECT TITLE, RUNTIME

**FROM MOVIE** 

WHERE RUNTIME > (SELECT AVG(RUNTIME) FROM MOVIE);



# -- QUESTION 11:

SELECT m.title, COUNT(ai.actor\_id) AS num\_actors

FROM movie m

JOIN acted\_in ai ON m.id = ai.movie\_id

GROUP BY m.id, m.title

ORDER BY num\_actors DESC;

```
29
  30
          -- QUESTION 11:
          SELECT m.title, COUNT(ai.actor_id) AS num_actors
  31 •
          FROM movie m
  32
          JOIN acted_in ai ON m.id = ai.movie_id
  33
  34
          GROUP BY m.id, m.title
          ORDER BY num_actors DESC;
  35
  36
  37
                                                Export: Wrap Cell Content:
               Filter Rows:
Result Grid
    title
                              num_actors
   The Godfather
                             2
   Pulp Fiction
   The Shawshank Redemption
   The Dark Knight
   Forrest Gump
Result 84 ×
```

```
SELECT * FROM ACTOR;

SELECT * FROM MOVIE;

SELECT * FROM PRODUCED_BY;

SELECT * FROM STUDIO;

-- QUESTION 10;

SELECT DISTINCT a.id, a.name

FROM actor a

JOIN acted_in ai ON a.id = ai.actor_id

JOIN movie m ON ai.movie_id = m.id
```

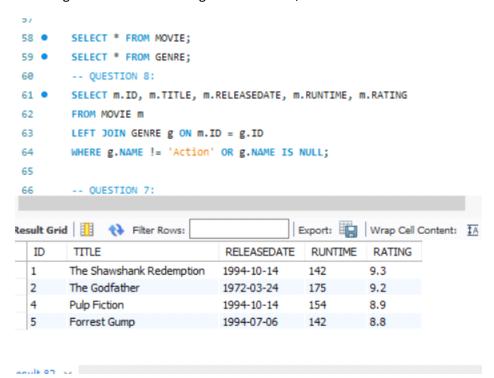
JOIN produced\_by pb ON m.id = pb.movie\_id

```
JOIN (SELECT movie_id
        FROM produced_by
        WHERE studio_id IN (SELECT id FROM studio WHERE name = 'Warner Bros. Pictures')
        UNION
        SELECT movie_id
        FROM produced_by
        WHERE studio id IN (SELECT id FROM studio WHERE name = 'Paramount Pictures')
      ) AS wp_movies ON m.id = wp_movies.movie_id;
43
        -- QUESTION 10;
       SELECT DISTINCT a.id, a.name
45
       FROM actor a
46
       JOIN acted_in ai ON a.id = ai.actor_id
        JOIN movie m ON ai.movie_id = m.id
       JOIN produced_by pb ON m.id = pb.movie_id
48
49
    JOIN (SELECT movie_id
             FROM produced_by
             WHERE studio_id IN (SELECT id FROM studio WHERE name = 'Warner Bros. Pictures')
51
52
 53
             SELECT movie_id
             FROM produced_by
54
             WHERE studio_id IN (SELECT id FROM studio WHERE name = 'Paramount Pictures')
            ) AS wp movies ON m.id = wp movies.movie id;
Edit: 🚰 🖶 Export/Import: 📳 📸 | Wrap Cell Content: 🔼
                          FoundedDate Headquarters
  1
       Warner Bros. Pictures 1923-04-04 Burbank, California, United States
  2 Paramount Pictures 1912-05-08 Hollywood, California, United States
       Universal Pictures
  3
                          1912-04-30
                                     Universal City, California, United States
     Miramax Films 1979-10-01 Beverly Hills, California, United States
  4
        20th Century Studios 1935-05-31
                                      Century City, California, United States
NULL NULL
TUDIO 83 ×
SELECT * FROM MOVIE;
SELECT * FROM GENRE;
-- QUESTION 8:
SELECT m.ID, m.TITLE, m.RELEASEDATE, m.RUNTIME, m.RATING
```

FROM MOVIE m

## LEFT JOIN GENRE g ON m.ID = g.ID

# WHERE g.NAME != 'Action' OR g.NAME IS NULL;



### -- QUESTION 7:

SELECT DISTINCT a.id, a.name, a.birthdate, g.name

FROM actor a

LEFT JOIN movie m ON a.id = m.id

LEFT JOIN belongs\_to bt ON m.id = bt.movie\_id

LEFT JOIN genre g ON bt.genre\_id = g.id

WHERE g.name NOT IN ('Drama', 'Thriller') OR g.id IS NULL;

```
6
      -- QUESTION 7:
      SELECT DISTINCT a.id, a.name, a.birthdate, g.name
7 •
       FROM actor a
      LEFT JOIN movie m ON a.id = m.id
      LEFT JOIN belongs_to bt ON m.id = bt.movie_id
      LEFT JOIN genre g ON bt.genre_id = g.id
      WHERE g.name NOT IN ('Drama', 'Thriller') OR g.id IS NULL;
2
                                         Export: Wrap Cell Content: TA
name
                    birthdate
                               name
3
      Christian Bale
                   1974-01-30
                               Action
                              HULL
                   1956-07-09
      junaid
                              NULL
7
                   1956-07-09
```

. . . . . . . . .

```
SELECT * FROM MOVIE;
-- QUESTION 6 (NOT WORKING):

SELECT a.id, a.name, a.birthdate

FROM actor a

JOIN movie m ON a.id = m.id

WHERE m.releasedate > '1970-01-01'

GROUP BY a.id, a.name, a.birthdate

HAVING COUNT(m.id) >= 3;
```

```
88
        SELECT * FROM MOVIE;
        -- QUESTION 6 (NOT WORKING):
        SELECT a.id, a.name, a.birthdate
90 •
        FROM actor a
91
        JOIN movie m ON a.id = m.id
        WHERE m.releasedate > '1970-01-01'
93
        GROUP BY a.id, a.name, a.birthdate
94
        HAVING COUNT(m.id) >= 3;
95
96
                                             Export:
esult Grid
              Filter Rows:
  id
               birthdate
        name
```

## -- QUESTION 5:

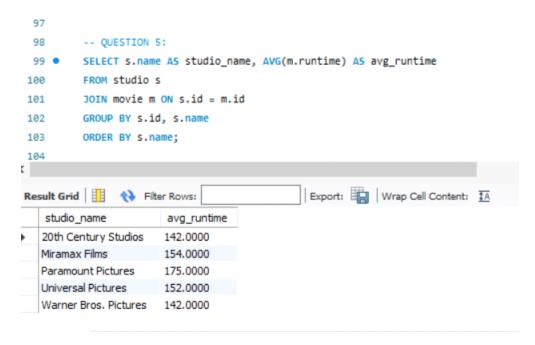
SELECT s.name AS studio\_name, AVG(m.runtime) AS avg\_runtime

FROM studio s

JOIN movie m ON s.id = m.id

GROUP BY s.id, s.name

### ORDER BY s.name;



## -- QUESTION 4:

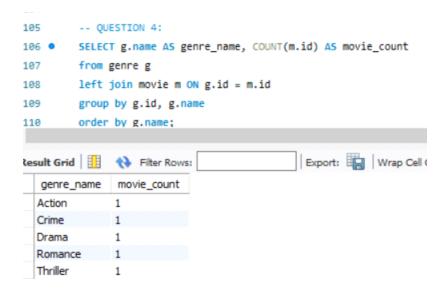
SELECT g.name AS genre\_name, COUNT(m.id) AS movie\_count

from genre g

left join movie m ON g.id = m.id

group by g.id, g.name

order by g.name;



# -- Question 3:

SELECT m.id, m.title, m.releasedate, m.runtime, m.rating

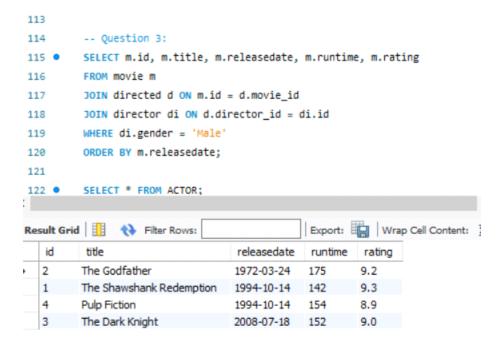
FROM movie m

JOIN directed d ON m.id = d.movie\_id

JOIN director di ON d.director\_id = di.id

WHERE di.gender = 'Male'

ORDER BY m.releasedate;



SELECT \* FROM ACTOR;

SELECT \* FROM MOVIE;

-- QUESTION 2:

SELECT a.id, a.name, a.birthdate

FROM actor a

LEFT JOIN movie m ON a.id = m.id

WHERE m.id IS NULL;

```
124
       -- QUESTION 2:
125
      SELECT a.id, a.name, a.birthdate
       FROM actor a
126
        LEFT JOIN movie m ON a.id = m.id
127
128
        WHERE m.id IS NULL;
129
130
        -- QUESTION 1:
Export:
        name
               birthdate
       junaid
              1956-07-09
 7
              1956-07-09
```

## -- QUESTION 1:

SELECT m.title AS movie\_title, g.name AS genre\_name, s.name AS studio\_name

FROM movie m

LEFT JOIN genre g ON m.id = g.id

LEFT JOIN studio s ON m.id = s.id;

