

```
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 DESC
```

```
LIMIT 1;
```

```
2
3  -- QUESTION 9:
4  -- oldest director
5  • SELECT name, birthdate
6    FROM director
7    ORDER BY birthdate ASC
8    LIMIT 1;
9
10 -- youngest director
11 • SELECT name, birthdate
12   FROM director
13   ORDER BY birthdate DESC
14   LIMIT 1;
15
```

<

Result Grid |  Filter Rows: | Export:  | Wrap Cell Content:  | Fetch rows: 

	name	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;

```

15
16 -- QUESTION 12:
17 • SELECT d.name, AVG(m.rating) AS avg_rating
18 FROM director d
19 JOIN movie m ON d.id = m.id
20 WHERE m.rating > 8.5
21 GROUP BY d.name;
22
23 • SELECT * FROM MOVIE;
24 • SELECT AVG(runtime) FROM movie; -- the avg 153.00;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Con

	name	avg_rating
▶	Frank Darabont	9.30000
	Francis Ford Coppola	9.20000
	Christopher Nolan	9.00000
	Quentin Tarantino	8.90000
	sema	8.80000

Result of --

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);

```

25 -- QUESTION 13:
26 • SELECT TITLE, RUNTIME
27 FROM MOVIE
28 WHERE RUNTIME > (SELECT AVG(RUNTIME) FROM MOVIE);
29
30 -- QUESTION 11:
31 • SELECT m.title, COUNT(ai.actor_id) AS num_actors
32 FROM movie m

```

Result Grid |   Filter Rows: | Export:  | Wrap Cell Content: 

TITLE	RUNTIME
The Godfather	175
Pulp Fiction	154

-- 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:
31 • SELECT m.title, COUNT(ai.actor_id) AS num_actors
32 FROM movie m
33 JOIN acted_in ai ON m.id = ai.movie_id
34 GROUP BY m.id, m.title
35 ORDER BY num_actors DESC;
36
37
38 -- =====

```

Result Grid

 Filter Rows:
Export:
Wrap Cell Content:

	title	num_actors
▶	The Godfather	2
	Pulp Fiction	2
	The Shawshank Redemption	1
	The Dark Knight	1
	Forrest Gump	1

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;
44  • SELECT DISTINCT a.id, a.name
45  FROM actor a
46  JOIN acted_in ai ON a.id = ai.actor_id
47  JOIN movie m ON ai.movie_id = m.id
48  JOIN produced_by pb ON m.id = pb.movie_id
49  JOIN (SELECT movie_id
50        FROM produced_by
51        WHERE studio_id IN (SELECT id FROM studio WHERE name = 'Warner Bros. Pictures')
52        UNION
53        SELECT movie_id
54        FROM produced_by
55        WHERE studio_id IN (SELECT id FROM studio WHERE name = 'Paramount Pictures')
56        ) AS wp_movies ON m.id = wp_movies.movie_id;

```

Result Grid

ID	Name	FoundedDate	Headquarters
1	Warner Bros. Pictures	1923-04-04	Burbank, California, United States
2	Paramount Pictures	1912-05-08	Hollywood, California, United States
3	Universal Pictures	1912-04-30	Universal City, California, United States
4	Miramax Films	1979-10-01	Beverly Hills, California, United States
5	20th Century Studios	1935-05-31	Century City, California, United States
NULL	NULL	NULL	NULL

TUDIO 83 x

```
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;

```
58 ● SELECT * FROM MOVIE;
59 ● SELECT * FROM GENRE;
60 -- QUESTION 8:
61 ● SELECT m.ID, m.TITLE, m.RELEASEDATE, m.RUNTIME, m.RATING
62 FROM MOVIE m
63 LEFT JOIN GENRE g ON m.ID = g.ID
64 WHERE g.NAME != 'Action' OR g.NAME IS NULL;
65
66 -- QUESTION 7:
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	ID	TITLE	RELEASEDATE	RUNTIME	RATING
	1	The Shawshank Redemption	1994-10-14	142	9.3
	2	The Godfather	1972-03-24	175	9.2
	4	Pulp Fiction	1994-10-14	154	8.9
	5	Forrest Gump	1994-07-06	142	8.8

-- 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:
7      SELECT DISTINCT a.id, a.name, a.birthdate, g.name
8      FROM actor a
9      LEFT JOIN movie m ON a.id = m.id
0      LEFT JOIN belongs_to bt ON m.id = bt.movie_id
1      LEFT JOIN genre g ON bt.genre_id = g.id
2      WHERE g.name NOT IN ('Drama', 'Thriller') OR g.id IS NULL;
3

```

sult Grid |   Filter Rows: | Export:  | Wrap Cell Content: 

id	name	birthdate	name
3	Christian Bale	1974-01-30	Action
6	junaaid	1956-07-09	NULL
7	ali	1956-07-09	NULL


```
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;
89 -- QUESTION 6 (NOT WORKING):
90 • SELECT a.id, a.name, a.birthdate
91 FROM actor a
92 JOIN movie m ON a.id = m.id
93 WHERE m.releasedate > '1970-01-01'
94 GROUP BY a.id, a.name, a.birthdate
95 HAVING COUNT(m.id) >= 3;
96
97
```

Result Grid |  Filter Rows: | Export: 

id	name	birthdate
----	------	-----------

```
-- 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;

```
97
98  -- QUESTION 5:
99 • SELECT s.name AS studio_name, AVG(m.runtime) AS avg_runtime
100 FROM studio s
101 JOIN movie m ON s.id = m.id
102 GROUP BY s.id, s.name
103 ORDER BY s.name;
104
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	studio_name	avg_runtime			
▶	20th Century Studios	142.0000			
	Miramax Films	154.0000			
	Paramount Pictures	175.0000			
	Universal Pictures	152.0000			
	Warner Bros. Pictures	142.0000			

-- 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;

```

105      -- QUESTION 4:
106      • SELECT g.name AS genre_name, COUNT(m.id) AS movie_count
107      from genre g
108      left join movie m ON g.id = m.id
109      group by g.id, g.name
110      order by g.name;

```

Result Grid |  Filter Rows: | Export:  | Wrap Cell C

genre_name	movie_count
Action	1
Crime	1
Drama	1
Romance	1
Thriller	1

-- 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;

```

113
114 -- Question 3:
115 • SELECT m.id, m.title, m.releasedate, m.runtime, m.rating
116 FROM movie m
117 JOIN directed d ON m.id = d.movie_id
118 JOIN director di ON d.director_id = di.id
119 WHERE di.gender = 'Male'
120 ORDER BY m.releasedate;
121
122 • SELECT * FROM ACTOR;

```

Result Grid			Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	id	title	releasedate	runtime	rating
▶	2	The Godfather	1972-03-24	175	9.2
	1	The Shawshank Redemption	1994-10-14	142	9.3
	4	Pulp Fiction	1994-10-14	154	8.9
	3	The Dark Knight	2008-07-18	152	9.0

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
126      FROM actor a
127      LEFT JOIN movie m ON a.id = m.id
128      WHERE m.id IS NULL;
129
130      -- QUESTION 1:

```

Result Grid   Filter Rows: Export: 

	id	name	birthdate
	6	junaid	1956-07-09
	7	ali	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;

```

130      -- QUESTION 1:
131  •   SELECT m.title AS movie_title, g.name AS genre_name, s.name AS studio_name
132      FROM movie m
133      LEFT JOIN genre g ON m.id = g.id
134      LEFT JOIN studio s ON m.id = s.id;
135
136

```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 

	movie_title	genre_name	studio_name
▶	The Shawshank Redemption	Drama	Warner Bros. Pictures
	The Godfather	Crime	Paramount Pictures
	The Dark Knight	Action	Universal Pictures
	Pulp Fiction	Thriller	Miramax Films
	Forrest Gump	Romance	20th Century Studios