

Practice Queries

1. SELECT

Query :- How to query list of actors with metadata in the database.

Solution :-

Movie Database	How will you use it in datalake
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SELECT * FROM actor
```

I will use it to extract data from **air** table.

2. SELECT with specific columns or fields

Query :- can you query only actor_name and gender from the database ?

Solution :-

Movie Database	How will you use it in datalake
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3. SELECT with WHERE

Query :- can you query only male actors ?

Solution :-

Movie Database	How will you use it in datalake
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4. Renaming Column (Aliases)

Query :- can you query only male actors with renaming columns act_name as **Actor Name** and act_gender as **Gender**

Solution :-

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5. ORDER BY (Aliases)

Query :- can you query movie_title and movie_year and then sort year either desc or asc.

Follow up :-

1. can you sort by movie_title and then with year.
2. Can you apply where condition and order by at a time.

Solution :-

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6. DISTINCT

Query :- I want to see all the different roles that are available without duplicates.

Solution :-

Movie Database

How will you use it in datalake

7. AND

Query :- I want to see the movie details with the name of **Verito** that's directed in the year **1994**

Solution :-

Movie Database

How will you use it in datalake

8. OR

Query :- I want to see a list of movie_titles that directed in either 2006 or 1994.

Solution :-

Movie Database

How will you use it in datalake

9. NOT

Query :- Query all the movie_titles excluding movies directed in greater than 2000.

Solution :-

Movie Database

How will you use it in datalake

10. BETWEEN

Query :- Query all the movie_titles that are directed between 1994 and 2002.

Solution :-

Movie Database

How will you use it in datalake

10. IN

Query :- Query all the mov_id, mov_title, mov_year, mov_lang for movies **Vertigo** , **Innocents** and **Wings**

Solution :-

Movie Database

How will you use it in datalake

11. Extra Functions

String Functions	Numeric Functions	Date Functions	Advanced Functions
<ul style="list-style-type: none"> • LEN , CHAR_LENGTH, CHARACTER_LENGTH • CONCAT • CONCAT_WS • FORMAT • LCASE, LOWER • UCASE, UPPER • TRIM • LEFT • RIGHT • MID, SUBSTR • INSTR 	<ul style="list-style-type: none"> • ABS • MAX • MIN • CEIL • FLOOR • SUM • COUNT • ROUND 	<ul style="list-style-type: none"> • Important Date functions 	<ul style="list-style-type: none"> • CASE • CAST, CONVERT • IF • IFNULL • ISNULL

12. INNER JOIN

Query: List the movies directed by **Alfred**

Solution :-

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13. LEFT JOIN & RIGHT JOIN

Query : List all the movies with respective movie rating. If the rating is not available keep it blank.

Solution :-

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14. GROUP BY

Query : How many movies each of the director directed.

Solution :-

Movie Database	How will you use it in datalake
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15. HAVING

Query : Filter the directors only those who directed atleast 2 movies.

Solution :-

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