

Part - 4

SQL Basics

Interview

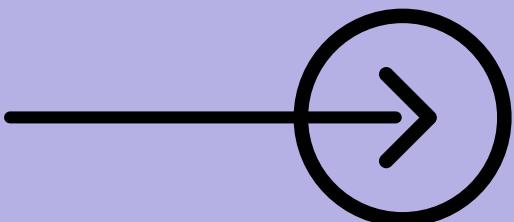
Questions and Answers...!



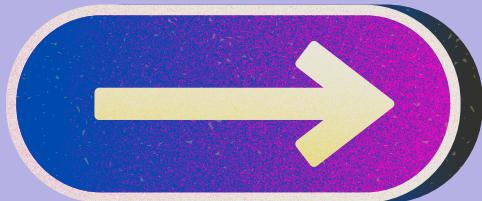
Sharing with
Counter questions ↑



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What is Alias in SQL?



What is Alias

- An alias in SQL is a temporary name given to a table or column within a SQL query to make it easier to refer to, especially when names are long or complex. It's similar to giving a nickname to make things simpler.



Why are aliases used in SQL?

Why it aliases used

- **Aliases are used to make SQL queries more readable and concise.**

They help to shorten long table or column names and are particularly useful when dealing with complex queries involving multiple tables or columns with similar names.



Do aliases change the actual names of tables or columns in the database?

Alias in database

→ **No, aliases are temporary and only exist during the execution of a query.**

They do not change the actual names of the columns or tables in the database.

Once the query execution is complete, the aliases are no longer in effect.



How do you create an alias for a column in SQL?

Create an alias for a column in SQL?

- To create an alias for a column, you use the **AS** keyword followed by the alias name.

For example,

SELECT customer_id AS cid FROM customer;

Here, cid is the alias for the customer_id column.



wanna see some
Counter Questions

1. Can you use aliases without the AS keyword in SQL?

→ **Yes, in many SQL databases, you can use aliases without the AS keyword. For example,**

SELECT customer_id cid FROM customer;

will work the same as using AS. However, using AS makes the query more readable and is often considered a best practice.



Next Question

2. Can you use aliases in the WHERE clause of a SQL query?

→ **No, you cannot use column aliases directly in the WHERE clause because the WHERE clause is evaluated before the SELECT clause.**

However, you can use aliases in the ORDER BY and GROUP BY clauses since these are evaluated after the SELECT clause.



3. Are aliases case-sensitive in SQL?

- It depends on the SQL database being used. In some databases, aliases are case-insensitive by default, meaning CID and cid would be considered the same.
- In others, aliases might be case-sensitive, requiring the use of consistent case or quotation marks.



Next Question

4. Can you use an alias in the HAVING clause of a SQL query?

- Yes, you can use column aliases in the HAVING clause because the HAVING clause is evaluated after the GROUP BY clause and after the SELECT clause, where aliases are defined.

This makes them accessible in HAVING conditions.



5. Can you alias multiple columns in a SQL query? How?

→ Yes, you can alias multiple columns in a SQL query by specifying each alias individually.

For example:

```
SELECT customer_id AS cid, customer_name AS cname FROM  
customer;
```



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