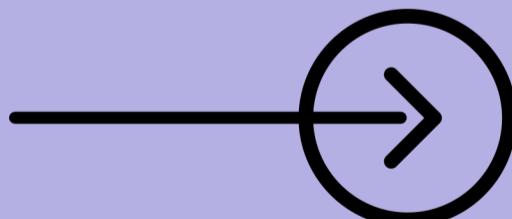


Part - 4

Power Query Interview Questions and Answers...!



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What is the difference between copying and referencing a table?

Copying a table: Here you are creating an exact copy of your existing table with all the applied step(if any). both the tables are independent of each other.

Means: If you do any kind of transformation on the first table it will not reflect on the 2nd table. similarly if you do any kind of transformation on the second table it will not reflect on the first table. so that is copying a table.

Ohh Really...than



what is Referencing a table

Referencing a table

- Means you are again creating an exact copy of the existing table but the referenced table will be dependent on the original table.
- so if you do any kind of modifications like adding/removing columns on the original table, those transformations will be automatically reflected on the referenced table.



So, in this way i can classify the difference...But

what about Usage and storage 😱

Usage and Storage

Copying a Table

- **Usage:** Used when you need a static snapshot of the data at a certain point in time.
- **Storage:** Requires additional storage space since a new copy of the data is created.

Referencing a Table:

- **Usage:** Used when you need to access the same data from multiple places without duplicating it
- **Storage:** Does not require additional storage space since no new copy of the data is created.



In what scenarios would you prefer copying a table over referencing it?

- **Copying a table is preferred when you need a snapshot of the data that won't change, such as for historical records or for a backup before performing bulk operations on the data.**



Next Question Please

What are the potential downsides of copying tables in terms of storage and maintenance?

→ **Copying tables increases storage requirements and can lead to maintenance challenges, as any structural changes to the original table need to be replicated manually in the copied table.**

Next Question Please



How does referencing a table help in optimizing performance in SQL queries?

→ Referencing a table helps optimize performance by avoiding the duplication of data, reducing storage needs, and ensuring that any updates to the original table are immediately available in the referenced table, thus avoiding synchronization issues.



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