Prem Mandal
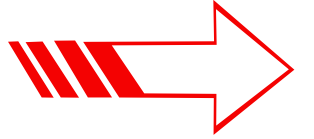@premmandal

Power BI
Interview
Questions

Asked in Service Based Company
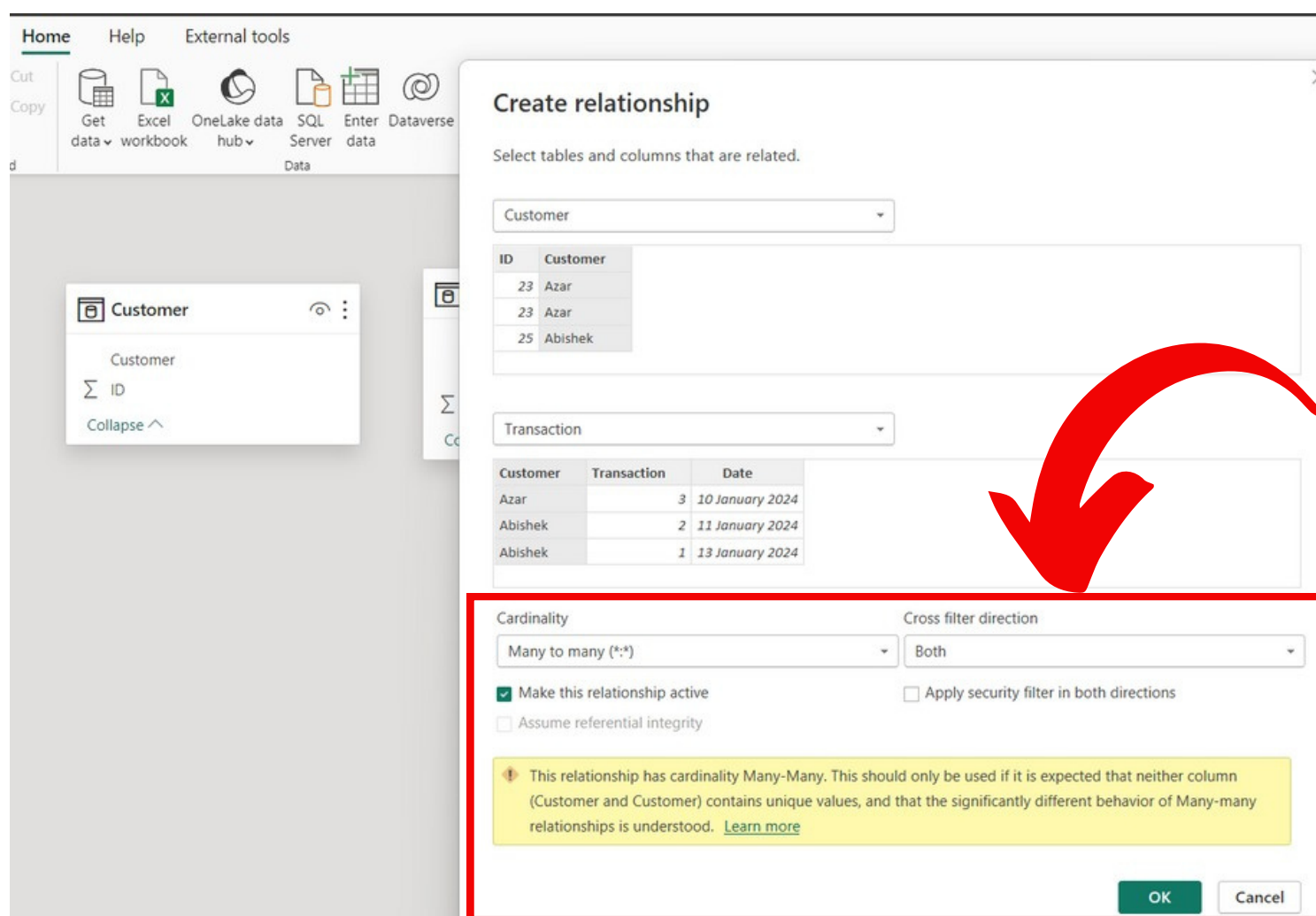
Scenario-based question?

If you have two tables those two tables are connected to each other with Many-To-Many relationship.

What will be your approach to resolve it weather you will go for many to many relationship or not?

How to Resolve it?

Example Data

The example data for resolve Many-To-Many relationship. Customer table and Transaction tables

ID	Customer
23	Azar
23	Azar
25	Abishek
26	Ankur
26	Ankur
24	Munna

Customer
Table

Transaction
Table

Customer	Transaction	Date
Azar	3	10 January 2024
Abishek	2	11 January 2024
Abishek	1	13 January 2024
Munna	2	08 January 2024
Ankur	4	06 January 2024

Step1

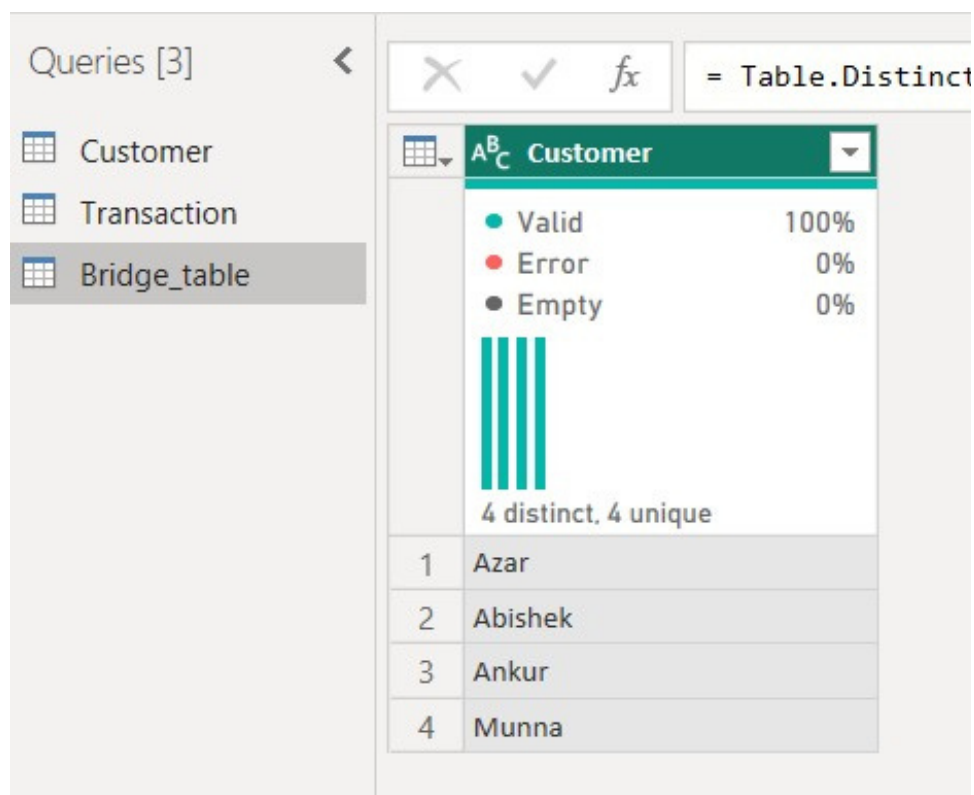We can resolve this issue by creating Bridge table.

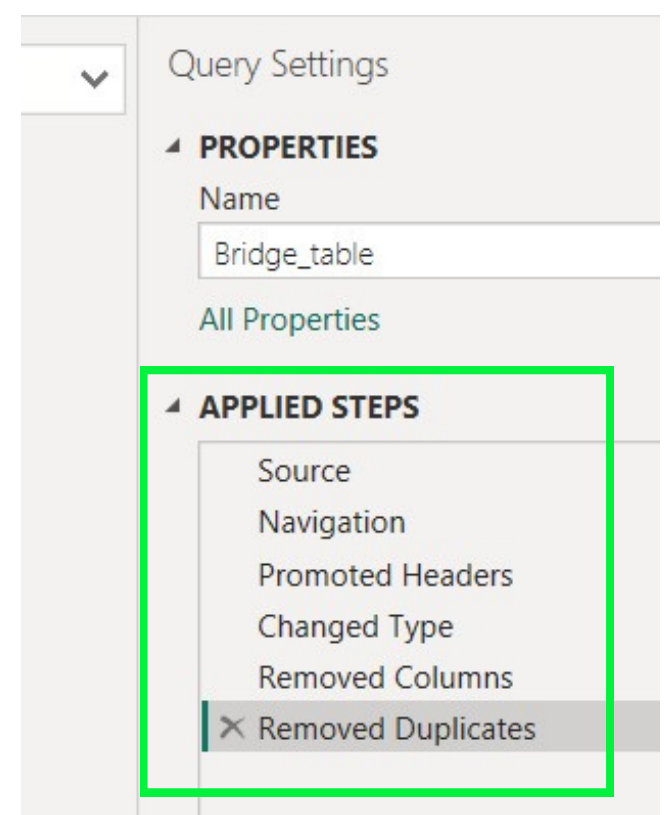1.Duplicate any one of the table in this example **"Customer Table".**

   2. Select the similar column which is in both tables in this example **"Customer"** column.

3.Remove the duplicates form the column.

   4.Change the name of the table to **"Bridge_Table".**

Output

The Many-To-Many relationship issue has been solved.
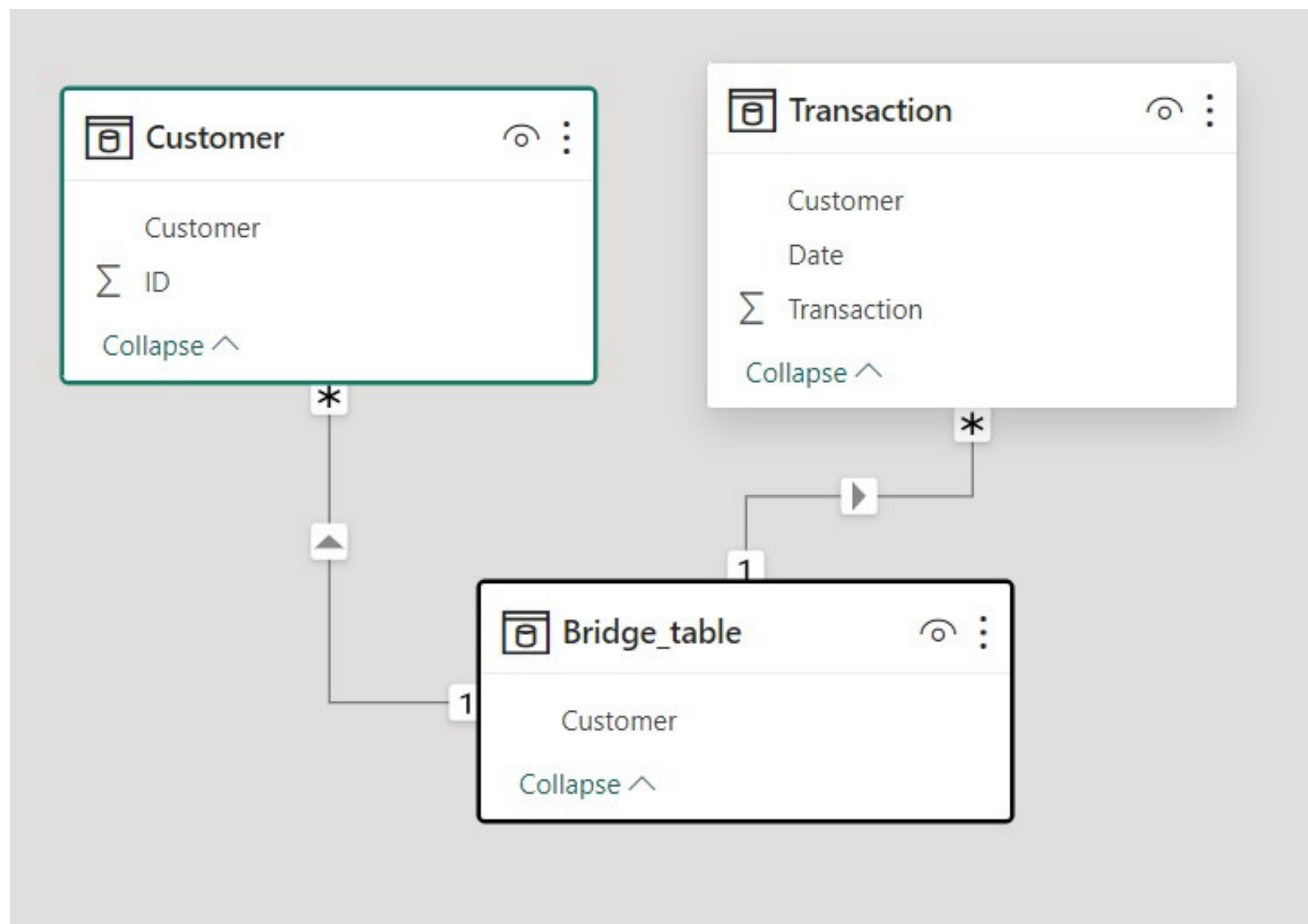
Why Use a Bridge Table?

1.**Simplifying Relationships:**

The bridge table acts as an intermediary, simplifying the relationships between tables.

Each relationship becomes a one-to-many relationship, making it easier to manage and analyze data.

2.**Enhanced Performance:**

o Using a bridge table can improve query and report performance compared to handling many-to-many relationships directly.

3.**Clearer Data Model:**

o The data model becomes clearer and more intuitive. Users can understand the relationships between tables without the complexity of many-to-many connections.

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