Scenario Based Interview Question #5

POWER BI INTERVIEW QUESTIONS

Note:- Asked In Service Based Company

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Question

How do you combine two disconnected tables to create a final table with the columns from the individual tables?
I'm using the customer and address details tables for that. There is no column to link these two tables.

Customer	Age	Gender
Bharath	27	Male
Munna	28	Male
Sowmiya	29	Female
Sanjay	30	Male
Pankaj	29	Male
Azar	26	Male

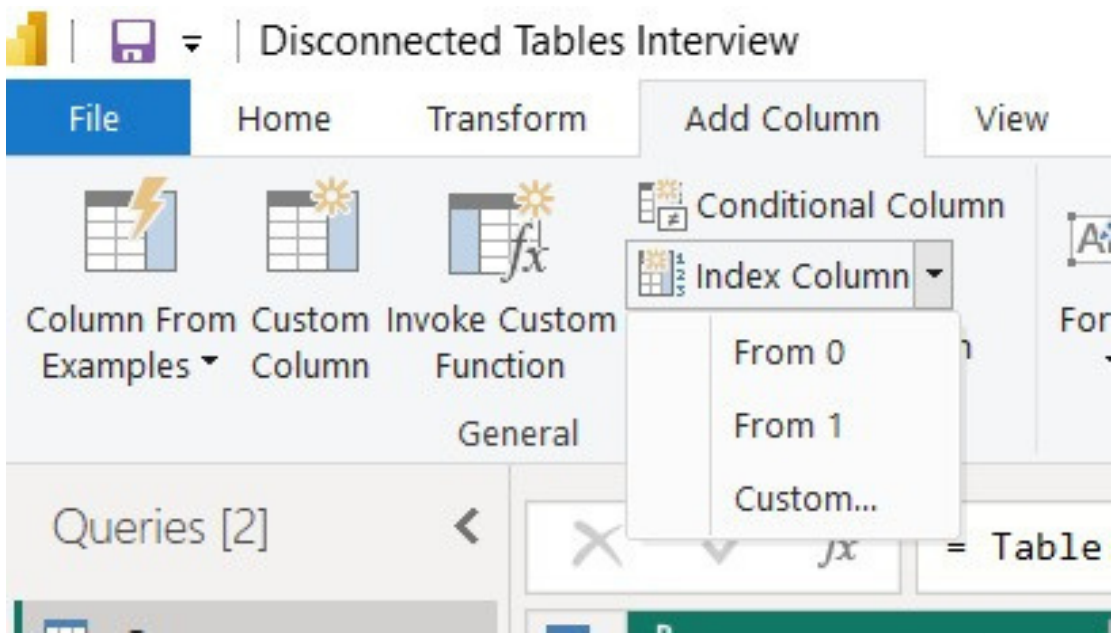
Customer Table

Customer Address	City	State
abc	Hyderabad	Telangana
def	Mumbai	Maharashtra
ghi	Hyderabad	Telangana
jkl	Bangalore	Karnataka
mno	Chennai	Tamil Nadu
pqr	Guntur	Andhra Pradesh

Address Table

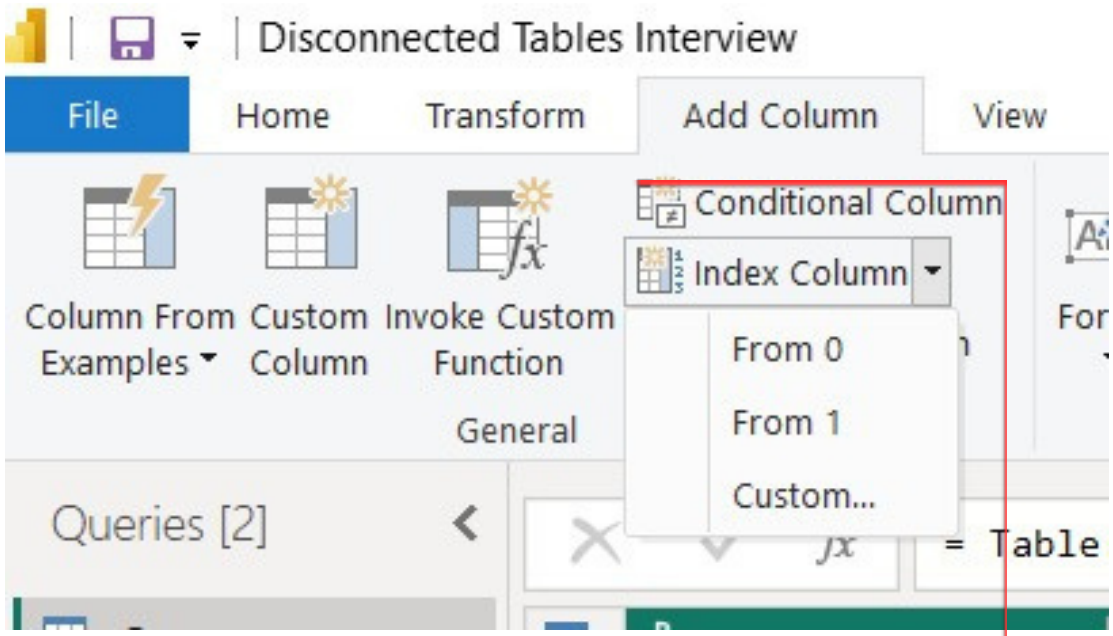
Step1

In the customer table, go to the add column tab and click index column. I want to start from one, so one column will be generated, which is index column, and it will give us all the unique values in all the records that are present over here, so six records are there. Each record has a unique index value.



Customer	Age	Gender	Index
Bharath	27	Male	1
Munna	28	Male	2
Sowmiya	29	Female	3
Sanjay	30	Male	4
Pankaj	29	Male	5
Azar	26	Male	6

REPEAT FOR ADDRESS DETAILS TABLE.



Customer Address	City	State	Index
abc	Hyderabad	Telangana	1
def	Mumbai	Maharashtra	2
ghi	Hyderabad	Telangana	3
jkl	Bangalore	Karnataka	4
mno	Chennai	Tamil Nadu	5
pqr	Guntur	Andhra Pradesh	6

STEP2

I will again go to the “**customer table”**, “Home tab”, and click on this “merge queries option”.

Why are we merging?

Because we have to combine these two tables. I will select my second table, select my common column, and you can see that we have common values matching in both tables because we created those individually for all the records in both tabs. it says selection matches six records, click okay

Merge

Select a table and matching columns to create a merged table.

Customer

Customer	Age	Gender	Index
Bharath	27	Male	1
Munna	28	Male	2
Sowmiya	29	Female	3
Sanjay	30	Male	4
Pankaj	29	Male	5

Address Details

Customer Address	City	State	Index
abc	Hyderabad	Telangana	1
def	Mumbai	Maharashtra	2
ghi	Hyderabad	Telangana	3
jkl	Bangalore	Karnataka	4
mno	Chennai	Tamil Nadu	5

Join Kind

Inner (only matching rows)

☐ Use fuzzy matching to perform the merge

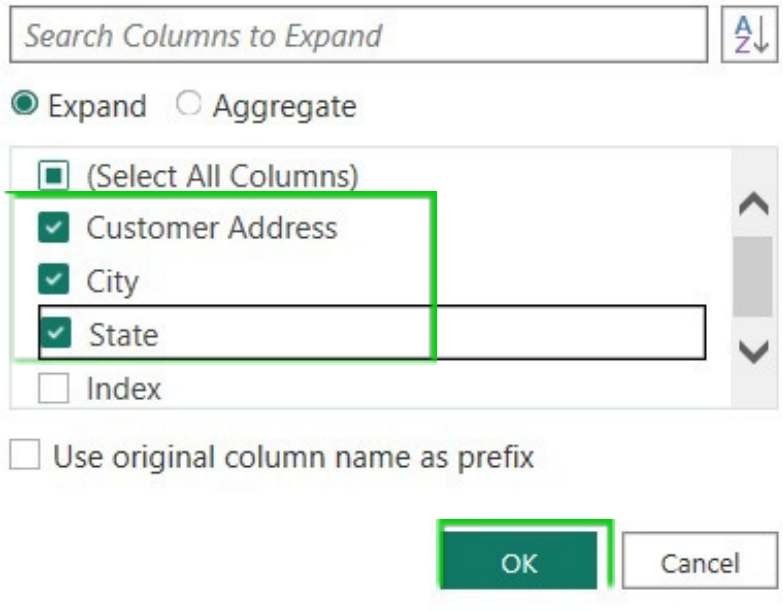
▷ Fuzzy matching options

OK Cancel

Step3

Expand “Address Details” in “Customer Table” and select Address, City, State.

	Index	Address Details
	1	Table
	2	Table
	3	Table
	4	Table
	5	Table
	6	Table



Output

Customer	Age	Gender	Index	Customer Address	City	State
Bharath	27	Male	1	abc	Hyderabad	Telangana
Munna	28	Male	2	def	Mumbai	Maharashtra
Sowmiya	29	Female	3	ghi	Hyderabad	Telangana
Sanjay	30	Male	4	jkl	Bangalore	Karnataka
Pankaj	29	Male	5	mno	Chennai	Tamil Nadu
Azar	26	Male	6	pqr	Guntur	Andhra Pradesh

Bharath is my first client. I now have the complete details of this customer, as you can see here.

You may be wondering why we chose this method of creating one index column: we have finally combined the two tables, but why did we choose the index column?

If we add any more records, they will be added to the customer table from the source and to the address.

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