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Power BI Interview Questions

Asked in Service Based Company

Question 1

1. What Doe's The Calculate Function Do ?

I like to think about the CALCULATE function in two parts; Aggregate and Filter.

The first half of the phrase is the aggregate component. This is where you may add whatever aggregate function you want, whether it's SUM(Sales), AVG(Price), or anything else.

The second section includes your filter criteria. This section defines the data set to which the aggregate from the previous section will be applied.

Syntax

CALCULATE(<expression>[, <filter1> [, <filter2> [, ...]]])

Example

Blue Revenue =
CALCULATE(
  SUM(Sales[Sales Amount]),
'Product'[Color] = "Blue"
)

Question 2

Can We Use One Calculate DAX Function Inside Another Calculate DAX Function In POWER BI ?

Ans : Yes, we can use Nested calculate DAX Function in POWER BI

Example 1

REQUIREMENT ---> Calculate Total Sales_Amt_YTD_Previous Year?

Step1:

Total Sales_Amt = SUM(Orders[Sales])

Step2:

Total Sales_Amt_YTD = CALCULATE([Total Sales_Amt],DATESYTD(Orders[Order Date]))

Step3:

Total Sales_Amt_YTD_Previous Year = CALCULATE([Total Sales_Amt_YTD],PARALLELPERIOD(Orders[Order Date],-1,YEAR))

What is Nested Calculate?

- Nested CALCULATE means that **CLCULATE** is called as the first parameter inside of a **CALCULATE** function.

- The outer CALCULATE function **defines** the **filter context** of the inner CALCULATE function.

- You can nest CALCULATE functions **repeatedly** as deep as reasonable.

- The most frequesnly used nested CALCULATE is the **implicit** CALCULATE that happens when a **measure** is **called** inside of a measure.

Example Using Nested Calculate function

REQUIREMENT ---> Calculate Total Sales_Amt_YTD_Previous Year?

```
Sales_Amt_YTD_PY_Nested =
CALCULATE (
 CALCULATE (
 CALCULATE ( SUM ( Orders[Sales] ) ),
 DATESYTD ( Orders[Order Date] )
 ),
 PARALLELPERIOD ( Orders[Order Date],
-1, YEAR )
)
```

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