

# Power BI – EVALUATE in DAX Query View (Complete Notes)

## 1. What is EVALUATE in Power BI?

EVALUATE is a keyword used in DAX Query View to return a table as output. It is mandatory in DAX queries and is mainly used for testing and analyzing DAX logic. EVALUATE does NOT create a measure or column.

## 2. Where is EVALUATE Used?

- 1 Only in DAX Query View
- 2 To test DAX logic
- 3 To return tables as results
- 4 For debugging and learning DAX

## 3. Basic Syntax of EVALUATE

```
EVALUATE  
Table_Expression
```

## 4. Simple Examples

- 1 **Show full table:** EVALUATE Orders
- 2 **Total Sales:** EVALUATE SUMMARIZE(Orders, "Total Sales", SUM(Orders[Sales]))
- 3 **Category wise Sales:** EVALUATE SUMMARIZE(Orders, Orders[Category], "Total Sales", SUM(Orders[Sales]))
- 4 **Region wise Sales:** EVALUATE SUMMARIZE(Orders, Orders[Region], "Total Sales", SUM(Orders[Sales]))

## 5. EVALUATE with FILTER

```
EVALUATE  
FILTER(Orders, Orders[Region] = "West")
```

## 6. EVALUATE with TOPN

```
EVALUATE  
TOPN(5, Orders, Orders[Sales], DESC)
```

## 7. EVALUATE vs Measure

EVALUATE returns a table and is used only for testing. Measures return a single value and are used in reports and dashboards.

## 8. Easy Rules to Remember

- 1 EVALUATE is mandatory in DAX Query View
- 2 EVALUATE always returns a table
- 3 Measures are NOT created using EVALUATE
- 4 Use EVALUATE only for learning and testing

## Conclusion

EVALUATE is an essential part of DAX Query View. It helps beginners and professionals test DAX logic before creating final measures in Power BI reports.