

## **DAX Basics - Theory Answers (Q1-5, 9, 10)**

### **1. What does DAX stand for?**

DAX stands for Data Analysis Expressions. It's used in Power BI, Excel, and Analysis Services.

### **2. Write a DAX formula to sum the Sales column.**

Total Sales = SUM(DAX\_Practice\_Data[Sales])

### **3. What is the difference between a calculated column and a measure?**

A calculated column is evaluated row-by-row and stored. A measure is calculated at query time and reacts to filters.

### **4. Use the DIVIDE function to calculate Profit Margin (Profit/Sales).**

Profit Margin = DIVIDE([Profit], [Sales], 0)

### **5. What does COUNTROWS() do in DAX?**

Returns the number of rows in a table.

### **9. What is a circular dependency error in a calculated column?**

It's when a column refers to itself, directly or indirectly.

### **10. Explain row context vs. filter context.**

Row context is for individual rows (e.g., calculated columns), filter context is applied from visuals, slicers, etc.