

# Advanced Visuals in PowerBI

## Assignment Questions



**Dataset:** Sales\_dataset

1. What is the difference between a Basic Filter, Advanced Filter, and a Slicer in Power BI?
2. Using the Sales dataset, apply a Basic Filter to display only the sales data for the year 2023.
3. Create a Pie Chart of Sales by Product and add Slicer that allows users to filter the dataset by Region.
4. What is a Visual-Level Filter, and how does it differ from Page-Level and Report-Level Filters?
5. Apply a Report-Level Filter so that all visuals in the Power BI report display sales only from India.
6. What is the role of Drill-Down in Power BI? How does it improve data exploration?
7. Using the dataset, create a hierarchy drill-down from  
Country → Region → Product Category to analyze sales at different levels.
8. Implement Drill-Through so that selecting a Product navigates to a detailed report page showing region-wise sales.
9. Add a Slicer for Product Category and observe how it interacts with the drill-down hierarchy.
10. Explain the difference between Drill-Down and Drill-Through in Power BI using a real-world example.
11. Use the Drill-Down feature to analyze sales trends from  
Year → Quarter → Month → Day.
12. Apply a Measure-Based Filter to display only those products where total sales exceed ₹50,000.  
Hint: Create a Total Sales measure and apply the filter using the measure, not the Sales column.
13. What is the "Keep All Filters" option in Drill-Through? How does it affect user interaction?
14. Create a custom Drill-Through page where selecting a Region shows a detailed view of sales trends over time.
15. Design a fully interactive Power BI dashboard using Slicers, Filters, Drill-Down, and Drill-Through to explore sales data.