

1. Name three types of visuals you can create in Power BI.

- Bar/Column Chart
 - Line Chart
 - Pie/Donut Chart
- (also tables, maps, cards, KPIs, etc.)

2. How do you add a slicer to a report?

- Go to **Visualizations** panel → **Slicer**
- Drag a field (e.g., Quarter) into the slicer.

3. What is the difference between a bar chart and a column chart?

- **Bar Chart:** Horizontal bars, categories on vertical axis.
- **Column Chart:** Vertical bars, categories on horizontal axis.

4. How do you change the color of a visual background?

- Select the visual → **Format (paint roller)** → **Background** → **On** → **Pick color**.

5. What does "drill-down" mean in a visual?

It lets users **navigate hierarchical data** (e.g., from Region → Product → Quarter) directly within the chart.

6. Create a bar chart showing SalesAmount by Region.

- Insert **Bar Chart** → Axis = Region → Values = SalesAmount.

7. Add a slicer for Quarter to filter all visuals on the page.

- Insert **Slicer** → Field = Quarter.

8. Format the bar chart to show data labels.

- Select bar chart → **Format** → **Data labels** → **On**.

9. Use a line chart to show SalesAmount trends over Quarter.

- Insert **Line Chart** → Axis = Quarter → Values = SalesAmount.

10. Add a tooltip to display Product details when hovering over bars.

- Select bar chart → **Tooltip fields** → Add Product.

11. Sync slicers across multiple report pages.

- Select slicer → **View** → **Sync slicers pane** → Enable for chosen pages.

12. Create a custom visual with dynamic measure selection (e.g., Sales vs. Profit).

- Use a **Field Parameter** or **DAX SWITCH()** measure:

```

SelectedMeasure =
SWITCH(
    SELECTEDVALUE(MeasureTable[MeasureName]),
    "Sales", SUM(Sales_Interactive[SalesAmount]),
    "Profit", SUM(Sales_Interactive[Profit]),
    BLANK()
)

```

13. Implement a hierarchy for Region > Product > Quarter drill-down.

- In **Fields pane**, drag Product under Region, then Quarter under Product → Creates hierarchy.
- Use this hierarchy in visuals to enable drill-down.

14. Use bookmarks to toggle between two visuals in the same space.

- Place Visual A and Visual B in the same spot.
- Create a **Bookmark** for each (show/hide visuals).
- Add buttons → Assign bookmarks to toggle.

15. Optimize a slow-rendering report with 10+ visuals.

- Reduce unnecessary visuals on a page.
- Use **Aggregations** and pre-aggregated tables.
- Disable auto-date hierarchy if not needed.
- Limit high-cardinality fields.
- Enable **Performance Analyzer** to debug bottlenecks.