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

- Bar Chart

- Line Chart

- Pie Chart

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

Click on the **Slicer visual icon**, then drag a field (e.g., Quarter) into the slicer's field well.

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

- **Bar chart**: horizontal bars

- **Column chart**: vertical bars

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

Select the visual → go to **Format pane** → **Effects > Background** → choose a color.

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

Drill-down allows users to **click and explore data at a more detailed level** within a hierarchy (e.g., from Region to Product).

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6. Create a bar chart showing SalesAmount by Region.

Insert a **Bar Chart**, place Region in Axis and SalesAmount in Values.

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

Add a **Slicer**, use the field Quarter, and it will filter visuals automatically.

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8. Format the bar chart to show data labels.

Select the bar chart → Format pane → **Data labels** → turn **On**.

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

Insert a **Line Chart**, drag Quarter to Axis and SalesAmount to Values.

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

Drag Product into the **Tooltips** field of the bar chart.

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11. Sync slicers across multiple report pages.

Select slicer → go to **View > Sync slicers pane** → check **Sync and Visible** for desired pages.

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

1. Create a **disconnected table** with measure names

2. Use **DAX SWITCH()** to switch between selected measures

3. Display the result in a visual (bar, card, etc.)

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

1. In **Model view**, create a hierarchy: drag Product and Quarter under Region

2. Use this hierarchy in your visual and enable drill-down

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

1. Create two visuals

2. Create **Bookmarks** for each view

3. Use **Buttons** and assign actions to toggle between them

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

- Use **visual-level filters** instead of page/report-level

- **Avoid complex measures** in visuals

- Use **aggregated data**

- Limit visuals per page

- Use **performance analyzer** to identify slow visuals