**INTERVIEW PREPARATION QUESTIONS**

1. **What are the key elements of a dashboard?**

Answer:

* KPIs: Key Performance Indicators for quick metrics overview
* Visuals/Charts: Bar, line, pie charts, etc. to present data
* Filters/Slicers: Allow users to drill down into the data
* Interactivity: Tooltips, drill-through, and dynamic visuals
* Title & Descriptions: Help users understand the context
* Consistent Layout: Clean, structured, and easy to interpret

1. **What is a KPI?**

Answer:  
KPI (Key Performance Indicator) is a measurable value that shows how effectively a business is achieving its objectives.  
Examples: Total Revenue, Profit Margin, Conversion Rate.

1. **What are slicers in Power BI?**

Answer:  
Slicers are visual filters that allow users to interactively select values (like month, region, category) and filter all visuals on the report accordingly, enabling dynamic and focused analysis.

1. **Difference between Power BI and Tableau?**

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| **Feature** | **Power BI** | **Tableau** |
| Ease of Use | Beginner-friendly, drag-and-drop | Steeper learning curve |
| Integration | Strong with Microsoft ecosystem | Good with multiple data sources |
| Cost | Lower (especially with Power BI Desktop) | More expensive overall |
| Community | Growing | Mature and large |
| Customization | Moderate | High (especially for visuals) |

1. **How do you make a dashboard interactive?**

Answer:

* Use slicers for filters (e.g., Month, Region, Product)
* Enable drill-through and drill-down
* Add tooltips and dynamic titles
* Use buttons and bookmarks for navigation
* Implement Key Influencer visuals to explain insights

1. **How do you deal with large datasets in dashboards?**

Answer:

* Use aggregated data instead of raw granular data
* Optimize data model with proper relationships
* Apply filters and pagination
* Use DirectQuery or data reduction techniques
* Disable auto-refresh or reduce refresh frequency

1. **What chart types do you use for trend analysis?**

Answer:

* Line Charts: Best for showing trends over time (e.g., revenue per month)
* Area Charts: Show volume with trend
* Column Charts: For monthly/yearly comparisons
* Combo Charts: Compare trends across metrics (e.g., cost vs revenue)