Task 4: Dashboard Design::

Interview Questions:
1.What are the key elements of a dashboard?
Ans::KPIs, visuals (charts/tables), filters/slicers, titles, interactivity, and layout consistency.

2.What is a KPI?
Ans:: A Key Performance Indicator is a measurable value that shows how effectively a business is achieving its objectives (e.g., Sales, Profit Margin).

3.What are slicers in Power BI?
Ans:: Slicers are visual filters that allow users to interactively filter data in reports/dashboards.

4.Difference between Power BI and Tableau?
Ans:: . Power BI: Microsoft product, better integration with MS tools, more affordable.

. Tableau: Strong in data visualization, more customizable, better for large data exploration.

5.How do you make a dashboard interactive?
Ans:: Using slicers, tooltips, drill-downs, bookmarks, and synced visuals.

6.How do you deal with large datasets in dashboards?
Ans:: . Use aggregation

. Optimize data model

. Use filters to limit visuals
Enable data reduction techniques like DirectQuery or Incremental Refresh .

7.What chart types do you use for trend analysis?
Ans:: Line charts, Area charts, Combo charts, and Sparklines (for quick trends).

8.Which visual is best for comparison across categories?
Ans:: Bar or Column charts.