

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

There are several types of visuals that can be used and created in Power BI. For example, pie chart, clustered column chart, stacked bar chart, line chart.

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

In the visualization tab, there is a visualization instrument called slicer and one column can be added as a filter.

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

In column chart, vertical bars are used, while in bar chart, horizontal bars are used. In column chart, x-axis shows categories and bar chart shows values. In bar chart, x-axis shows values and y-axis shows categories

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

In the visualization tab, there is a "format visual" part. After entering the "general", there is a background where it is possible to change color

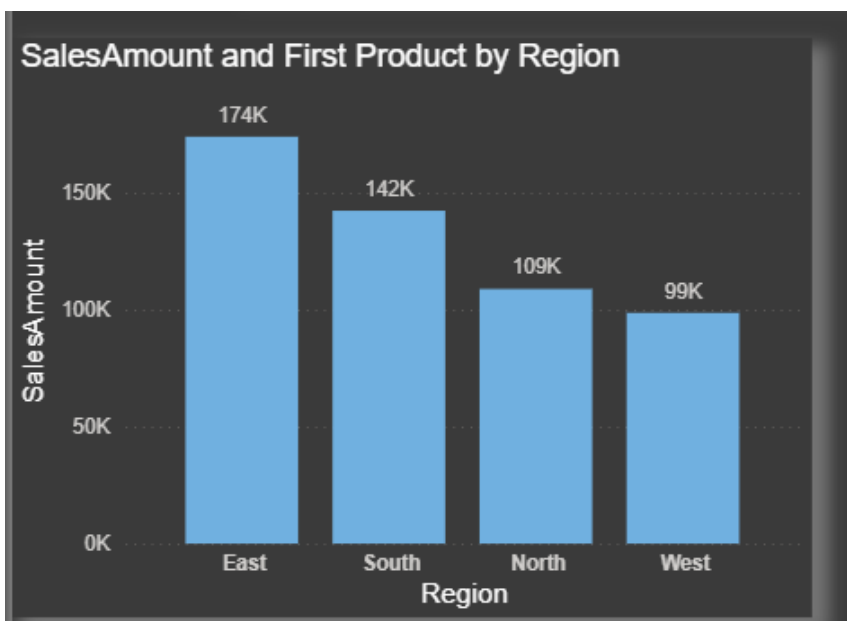
5. What does "drill-down" mean in a visual?

In Power BI, drill-down means going from a summary level of data to a more detailed level within the same visual. It works when your data has a hierarchy — for example:

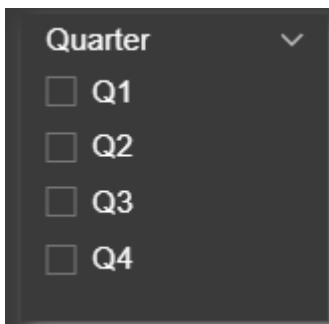
Year → Quarter → Month → Day

When you click the **drill-down button** (down arrow icon) and select a specific year, the chart updates to show **sales by Quarter** for that year.

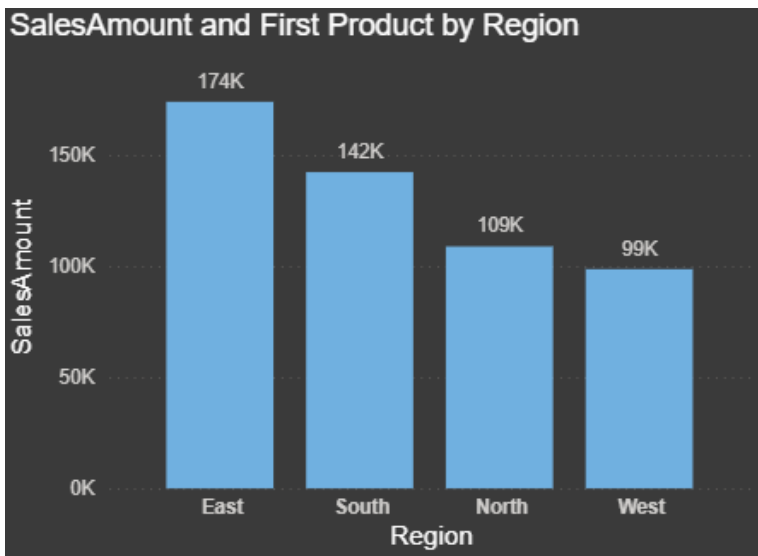
6. Create a bar chart showing SalesAmount by Region.



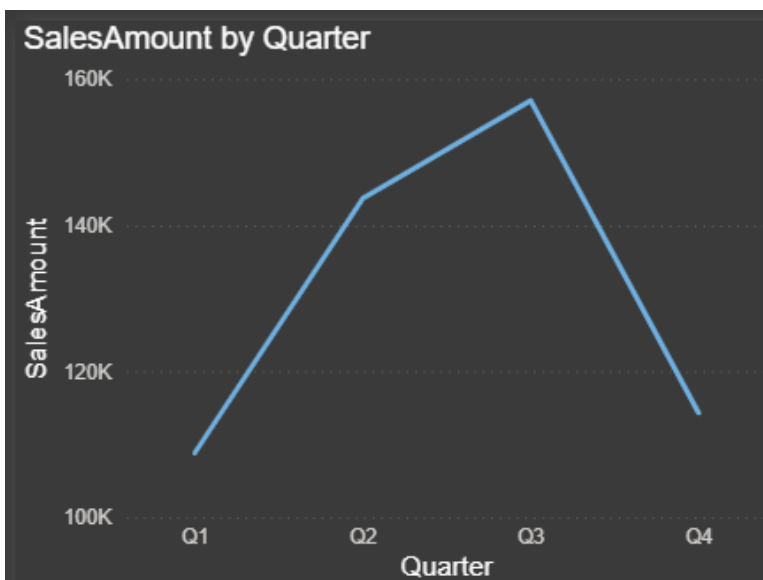
7. Add a slicer for Quarter to filter all visuals on the page.



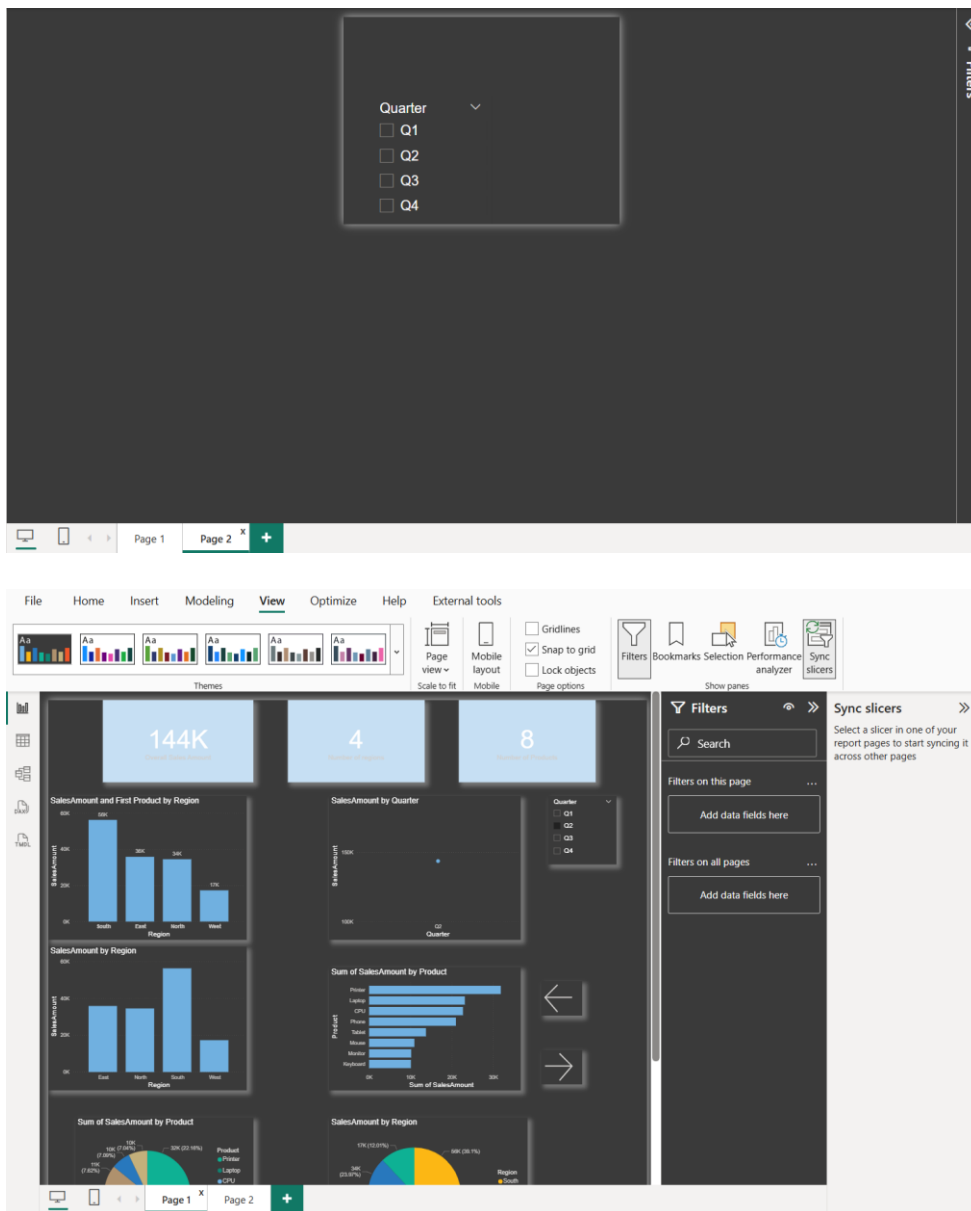
8. Format the bar chart to show data labels.



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

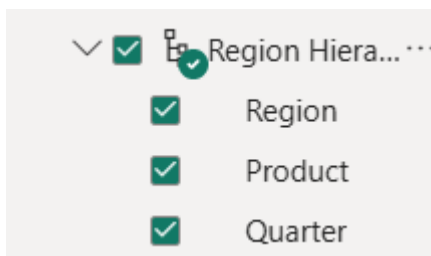
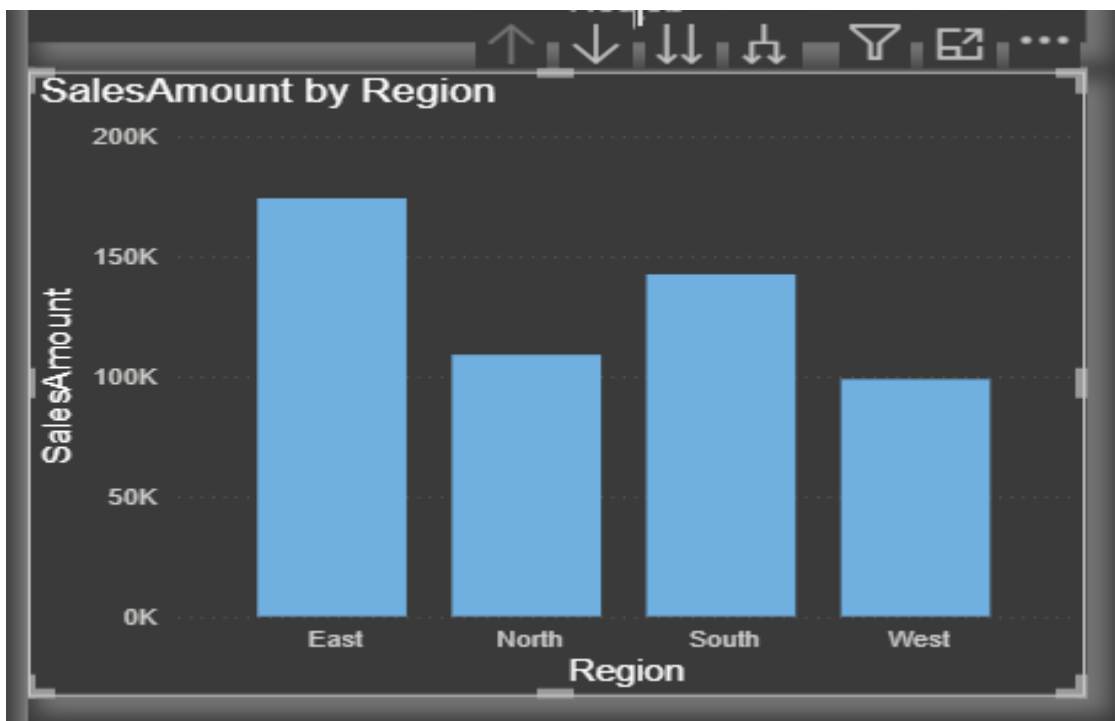


## 11. Sync slicers across multiple report pages.

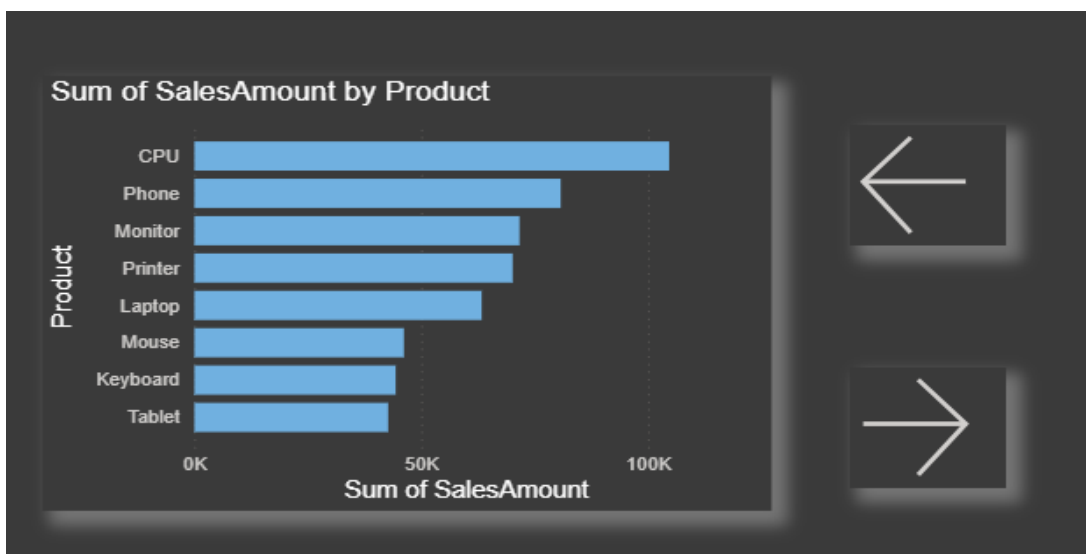


As you see, there 2 filters in the different pages and both of them are synchronized

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



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



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

