

Power BI Visualizations & Interactivity Tasks

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

1. Bar Chart
2. Line Chart
3. Pie Chart

How do you add a slicer to a report?

Go to the Visualizations pane, select the 'Slicer' icon, then drag a field (e.g., Quarter) into the slicer field well.

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

A bar chart displays data horizontally while a column chart displays data vertically.

How do you change the color of a visual background?

Select the visual, go to the Format pane, open the 'Background' section, and choose the desired color.

What does 'drill-down' mean in a visual?

Drill-down allows users to explore data in more detail by navigating from higher to lower levels of a hierarchy.

Create a bar chart showing SalesAmount by Region.

Insert a bar chart, drag 'Region' to the Axis and 'SalesAmount' to the Values.

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

Insert a slicer visual and drag 'Quarter' into the slicer field. Ensure the slicer affects all visuals via 'Edit Interactions'.

Format the bar chart to show data labels.

Select the bar chart, go to the Format pane, enable 'Data labels'.

Use a line chart to show SalesAmount trends over Quarter.

Insert a line chart, drag 'Quarter' to the Axis and 'SalesAmount' to the Values.

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

Drag 'Product' to the Tooltip field well of the visual.

Sync slicers across multiple report pages.

Use the 'View' tab to open the Sync Slicers pane and configure slicer syncing across pages.

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

Use a parameter table with a disconnected slicer and SWITCH() in a measure to change the visual based on selection.

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

Create a hierarchy in the Fields pane, then add Region, Product, and Quarter to it in order.

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

Add both visuals, use the Selection pane to show/hide each, create bookmarks for each state, then add buttons to toggle.

Optimize a slow-rendering report with 10+ visuals.

Reduce visuals per page, use aggregation tables, optimize DAX measures, and enable data reduction techniques.