

Top 50 Power BI Interview Questions and Answers

If you are preparing for a Power BI interview, it is crucial to familiarize yourself with commonly asked questions. Here, we present the top 50 Power BI interview questions and answers in a tabular format to help you ace your interview.

Question	Answer
What is Power BI?	Power BI is a business analytics tool developed by Microsoft that provides interactive visualizations and reports.
What are the components of Power BI?	Power BI Desktop, Power BI Service (Power BI online service), and Power BI Mobile.
Explain Power BI Desktop.	Power BI Desktop is a Windows application used to create interactive reports and dashboards.
What is Power BI Gateway?	Power BI Gateway is a bridge that allows on-premises data sources to connect to Power BI.
How does Power Query work in Power BI?	Power Query is a data extraction and transformation tool that allows users to connect to various data sources.
What are the types of filters available in Power BI?	Visual, Page, and Report filters.
What is DAX in Power BI?	DAX (Data Analysis Expressions) is a formula language used to create custom calculations and aggregations.
How can you create a calculated column in Power BI?	In Power BI Desktop, go to the “Modeling” tab, select “New Column,” and enter the DAX expression.
What is the difference between calculated columns and measures in Power BI?	Calculated columns are computed during data loading, while measures are computed on the fly during analysis.
Explain Power BI DirectQuery.	Power BI DirectQuery allows users to create reports directly from on-premises SQL Server Analysis Services.
What are the limitations of Power BI?	Some limitations include data volume restrictions, refresh limitations, and certain visual customization limits.

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How can you schedule data refresh in Power BI?	In Power BI Service, go to the dataset settings, select “Scheduled Refresh,” and configure the refresh schedule.
Explain the difference between Power BI Report Server and Power BI Service.	Power BI Report Server is an on-premises solution, while Power BI Service is a cloud-based solution.
How can you share a Power BI report with external users?	Power BI Pro users can share reports by publishing them to the web, embedding them, or sharing through SharePoint.
What is the role of Power BI Gateway in data refresh?	Power BI Gateway enables scheduled data refresh from on-premises data sources to the Power BI Service.
Explain the difference between calculated columns and measures in Power BI?	Calculated columns are computed during data loading, while measures are computed on the fly during analysis.
What is the use of bookmarks in Power BI?	Bookmarks allow users to capture the current view of a report and save it for future reference or comparison.
What is the Power BI data model?	The Power BI data model is a collection of tables, relationships, and calculations that define the data structure.
Explain Power BI data gateways.	Power BI data gateways facilitate secure data transfer between on-premises data sources and Power BI.
How can you create a calculated table in Power BI?	In Power BI Desktop, go to the “Modeling” tab, select “New Table,” and enter the DAX expression.
What is the purpose of Power BI Report Server?	Power BI Report Server allows organizations to host Power BI reports on their own infrastructure.
How can you implement row-level security in Power BI?	Row-level security can be implemented by defining roles and creating DAX expressions to filter data accordingly.
Explain Power BI Q&A (Question and Answer).	Power BI Q&A allows users to ask natural language questions about the data, and Power BI generates visualizations in response.
What are the different types of relationships in Power BI?	The different types of relationships are one-to-one, one-to-many, and many-to-many relationships.
How can you create a measure in Power BI?	In Power BI Desktop, go to the “Modeling” tab, select “New Measure,” and enter the DAX expression.

Question	Answer
Explain Power BI Embedded.	Power BI Embedded allows developers to embed Power BI reports and dashboards into their own applications.
What is the difference between calculated columns and calculated tables?	Calculated columns are created at the row level, while calculated tables are created at the table level.
How can you publish a report to Power BI Service?	In Power BI Desktop, go to the “Home” tab, click on “Publish,” and sign in to your Power BI account.
What is the difference between Power BI Pro and Power BI Premium?	Power BI Pro is a user-based license, while Power BI Premium provides dedicated capacity for the entire organization.
How can you implement dynamic security in Power BI?	Dynamic security can be implemented by using DAX expressions that dynamically filter data based on user roles or attributes.
Explain Power BI Mobile.	Power BI Mobile allows users to access and interact with Power BI reports and dashboards on mobile devices.
What are the advantages of using Power BI?	Some advantages include easy data connectivity, interactive visualizations, and seamless integration with Microsoft products.
How can you create a hierarchy in Power BI?	In Power BI Desktop, select a column, right-click, and choose “Hierarchy” to create a hierarchy.
What is Power View in Power BI?	Power View is a data visualization tool in Power BI that allows users to create interactive charts, tables, and maps.
Explain Power BI Report Builder.	Power BI Report Builder is a stand-alone tool used to create paginated reports for Power BI.
How can you import data from Excel into Power BI?	In Power BI Desktop, go to the “Home” tab, click on “Get Data,” choose “Excel,” and select the desired file.
What is Power BI Embedded API?	Power BI Embedded API allows developers to programmatically interact with and manage embedded Power BI content.
How can you create a drill-through action in Power BI?	In Power BI Desktop, select a visual, go to the “Format” pane, expand “Action,” and define the drill-through settings.

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What is the purpose of Power BI Publisher for Excel?	Power BI Publisher for Excel allows users to take snapshots of Excel ranges and pin them to Power BI dashboards.
Explain Power BI Quick Insights.	Power BI Quick Insights automatically analyzes data to provide users with insights and patterns in their datasets.
How can you create a custom theme in Power BI?	In Power BI Desktop, go to the “View” tab, click on “Themes,” and select “Customize current theme.”
What is Power Query Editor in Power BI?	Power Query Editor is a data transformation and shaping tool within Power BI used to clean and transform data.
Explain Power BI Datasets.	Power BI Datasets are collections of tables, relationships, and measures that serve as the foundation for reports and dashboards.
How can you create a Power BI dashboard?	In Power BI Service, click on “Create” and choose “Dashboard.” Then, add visuals by pinning them from reports or datasets.
What is Power BI Embedded Capacity?	Power BI Embedded Capacity allows organizations to deploy Power BI content to external users without requiring individual licenses.
How can you format visuals in Power BI?	In Power BI Desktop, select a visual, go to the “Format” pane, and customize properties such as colors, fonts, and labels.
Explain Power BI Row-level security.	Power BI Row-level security restricts data access based on user roles, ensuring that each user sees only the authorized data.
What is the purpose of Power BI Paginated Reports?	Power BI Paginated Reports are designed for printable or PDF reports that contain fixed layout elements and support pixel-perfect printing.
How can you create a calculated measure in Power BI?	In Power BI Desktop, go to the “Modeling” tab, select “New Measure,” and enter the DAX expression.
What is Power BI Service?	Power BI Service is a cloud-based platform where users can publish, share, and collaborate on Power BI reports and dashboards.