

INTERVIEW QUESTION-ANSWERS OF POWER BI

BI stands for Business Intelligence

Here are commonly asked **Power BI interview questions** along with their answers to help you prepare effectively:

1. What is Power BI?

- **Answer:**
Power BI is a business analytics tool by Microsoft that enables users to connect to various data sources, transform data, and create interactive reports and dashboards. It helps organizations gain insights from their data and make data-driven decisions.

2. What are the main components of Power BI?

- **Answer:**
 - **Power BI Desktop:** For designing and developing reports and dashboards.
 - **Power BI Service:** A cloud-based platform for sharing and collaboration.
 - **Power BI Mobile:** Apps for viewing dashboards on mobile devices.
 - **Power Query:** For data extraction and transformation.
 - **Power Pivot:** For data modeling and creating relationships.
 - **Power BI Report Builder:** For creating paginated reports.

3. What is DAX in Power BI?

- **Answer:**
DAX (Data Analysis Expressions) is a formula language used in Power BI to create custom calculations and aggregations. It is used to define measures, calculated columns, and calculated tables.

4. What are the differences between Power BI Desktop, Power BI Service, and Power BI Mobile?

- **Answer:**
 - **Power BI Desktop:** Used for creating reports and data models locally.
 - **Power BI Service:** A cloud-based platform for sharing, publishing, and collaboration.
 - **Power BI Mobile:** Apps for viewing dashboards on the go.

5. What types of data sources can Power BI connect to?

- **Answer:**
Power BI supports a wide range of data sources, such as:
 - Excel files
 - SQL Server
 - Azure
 - Oracle Database
 - Salesforce
 - Google Analytics
 - APIs and web services
 - Cloud services like AWS and Google Cloud

6. What is the role of Power Query in Power BI?

- **Answer:**
Power Query is a data transformation and preparation tool in Power BI. It allows users to clean, reshape, and combine data from multiple sources before loading it into the data model.

7. What is a KPI in Power BI?

- **Answer:**
A **KPI (Key Performance Indicator)** is a visual representation used to measure performance against a target. It typically includes:
 - Actual value
 - Target value
 - Indicator showing progress (e.g., a green or red arrow).

8. How can you share reports in Power BI?

- **Answer:**
Reports can be shared via:
 - **Power BI Service:** Publish reports and share links.
 - **Microsoft Teams:** Embed reports in channels.
 - **Email:** Send report links or export as PDFs.
 - **Embedding:** Use Power BI Embedded to integrate reports into applications.

9. What are common Power BI licenses, and how are they different?

- **Answer:**
 - **Power BI Free:** Basic capabilities for individual users.
 - **Power BI Pro:** Collaboration and sharing features; costs a monthly fee.
 - **Power BI Premium:** Enterprise-level features like larger datasets, AI capabilities, and paginated reports.