

1. What is Power BI?

Power BI is a business Intelligence tool by Microsoft that helps users connect to different data sources, clean and transform data, create interactive visualizations, and share reports/dashboards for better decision-making.

2. Who developed Power BI?

Power BI was developed by Microsoft.

3. Why do we use Power BI?

We use Power BI to:

- Combine data from multiple sources.
- Analyze data easily with heavy coding.
- Create interactive and visually appealing dashboards.
- Share insights with others across web, mobile, cloud.
- Enable data driven decision making.

4. What are the main components of power BI?

- Power BI desktop → For creating reports and visualizations on your computer.
- Power BI service → cloud based platform to publish, share and collaborate.
- Power BI mobile → Mobile app for accessing dashboards on the go.
- Power Query → For data connection and transformation.
- Power pivot → For data modelling and calculations.
- Power view / visuals → For interactive charts, graphs and maps.

5. What is Power BI desktop?

Power BI desktop is a windows application used to connect to data, clean/transform it, build models and design interactive reports. It is mainly used by developers and analysts to create reports.

6. What is Power BI service?

Power BI service is the online cloud platform where reports and dashboards created in Power BI desktop can be published, shared and viewed. It also supports collaboration and scheduled data refresh.

7. What is Power BI mobile?

Power BI mobile is a mobile app (available on iOS, Android, Windows) that allows users to access and interact with dashboards and reports on their smartphones or tablets.

8. What is the difference between Power BI desktop and Power BI service?

- | Power BI desktop | Power BI service |
|---|--|
| • Installed on the local computer | • cloud based (web - platform) |
| • Used to create reports, models and visualizations | • Used to share, publish and collaborate on report. |
| • Free to use | • Requires a Power BI Pro or Premium license for sharing |

9. What are the key features of Power BI?

- Easy Integration with Excel and Microsoft tools.
- Connects to hundreds of data sources.
- Data transformation using Power Query.
- Powerful modeling with DAX formulas.
- Wide variety of visuals and custom visuals.
- AI-powered Insights.
- Sharing and collaboration on the cloud.
- Row-level security (RLS) for data access control.

10. What type of data sources can Power BI connect to?

- Files: Excel, CSV, XML, JSON, PDF
- Databases: SQL Server, Oracle, MySQL, PostgreSQL, Access etc.
- Cloud services: Azure, Google Analytics, Salesforce, SharePoint etc.
- Online sources: Web pages, APIs, OData feeds.
- Others: Power BI datasets, Streaming data.

11. What is visualization in Power BI?

A visualization in Power BI is a graphical representation of data, such as bar chart, line chart, pie chart, map or table. Visualization helps users quickly understand trends, patterns and insights in their data.