

Power Bi assignment 1

1. What is Power BI?

Power BI is a business intelligence tool by Microsoft that helps turn raw data into interactive dashboards, reports, and charts for better decision-making.

2. Who developed Power BI?

It was developed by Microsoft in 2014.

3. Why do we use Power BI?

We use Power BI to analyze data, visualize trends, share reports, and make data-driven decisions quickly and easily.

4. What are the main components of Power BI?

- **Power BI Desktop** – A Windows application to connect data, clean it, and create interactive reports and dashboards.
- **Power BI Service (Cloud)** – An online platform to publish, share, and collaborate on reports.
- **Power BI Mobile** – A mobile app (Android/iOS/Windows) to view and interact with reports on the go.
- **Power BI Gateway** – A bridge that connects on-premise data (local databases/files) to Power BI cloud services.
- **Power BI Report Server** – A server for hosting and managing Power BI reports locally (on-premises).
- **Power BI Embedded** – A service to embed Power BI reports and dashboards into custom applications.

5. What is Power BI Desktop?

A free Windows application to connect data, clean it, and design interactive reports.

6. What is Power BI Service?

An online (cloud-based) platform to publish, share, and collaborate on reports and dashboards.

7. What is Power BI Mobile?

A mobile app (Android/iOS/Windows) to view and interact with Power BI reports from anywhere.

8. What is the difference between Power BI Desktop and Power BI Service?

- **Desktop:** Used mainly by developers/analysts to create reports.
- **Service:** Used by teams/managers to view, share, and collaborate online.

9. What are the key features of Power BI?

- Connects to many data sources (Excel, SQL, cloud services)
- Interactive visualizations and dashboards
- Real-time data refresh
- Easy sharing and collaboration
- AI-powered insights

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

It connects to Excel, CSV, SQL Server, Oracle, Azure, SharePoint, Google Analytics, Salesforce, and many more.

11. What is a visualization in Power BI?

A visualization is a graphical representation of data (charts, graphs, maps, gauges, etc.) that helps to understand patterns and trends easily.