

## 1. List and explain different PowerBI products?

- **POWER BI DESKTOP**

**Connect to your data, wherever it is**—Access data from hundreds of supported on-premises and cloud-based sources, such as Dynamics 365, Salesforce, Azure SQL DB, Excel, and SharePoint. Ensure it's always up to date with automated, incremental refreshes. Power BI Desktop enables you to develop deep, actionable insights for a broad range of scenarios.

**Prep and model your data with ease**

Save time and make data prep easier with data modelling tools. Reclaim hours in your day using the self-service Power Query experience familiar to millions of Excel users. Ingest, transform, integrate, and enrich data in Power BI.

**Provide advanced analytics with the familiarity of Office**

Dig deeper into data and find patterns you may have otherwise missed that lead to actionable insights. Use features like quick measures, grouping, forecasting, and clustering. Give advanced users full control over their model using powerful DAX formula language. If you're familiar with Office, you'll feel at home in Power BI.

**Deepen your data insights with AI-driven augmented analytics**

Explore your data, automatically find patterns, understand what your data means, and predict future outcomes to drive business results. The new AI capabilities—pioneered in Azure and now available in Power BI—require no code, enabling all of your Power BI users to discover hidden, actionable insights and drive more strategic business outcomes.

- **Power BI Pro for self-service analytics.**

### **Discover insights quickly**

- Explore data easily by using conversational language and get meaningful answers to data questions asked in your own words.
- Get insights instantly from your favourite applications using pre-built data visualisation and report templates.
- Keep your priority analytics handy by pinning your most relevant content, and ensure others see valuable insights by promoting them using administrative tools.

### **Get more done with familiar tools**

- Get the answers you need quickly using the skills you have today—whether you are most comfortable using other BI tools, Excel, or Azure.
- Increase the impact of your insights by sharing them with teammates in the tools they use every day such as Microsoft Teams, Dynamics 365, and the Microsoft Power Platform.

- Encourage data exploration and insight sharing with an intuitive, familiar experience that looks and works like the other Microsoft technologies your teams already use.

- **Power BI Premium**

- Seamlessly create and share enterprise data with datamart in Power BI, saving time and enabling organisations to digitally transform.
- Easily perform relational database analytics with one simple, frictionless experience using Power Query or SQL.
- Empower users to easily create, secure, govern, and manage data marts while keeping their focus on generating data insights that matter most.

- **Power BI Mobile**

### **Connect to your data**

Monitor your business right from your phone. Access on-premises data stored in SQL Server, or data in the cloud. Keep on top of KPIs and reports—Power BI Mobile apps give you a 360-degree view of your data—on the go. And, keep your company's data secure with mobile device and application management capabilities with Microsoft Intune.

### **Visualise, explore, and speed insights**

Author reports for mobile users with Power BI Desktop, and view live dashboards and reports on mobile devices with fast and fluid visuals that accelerate your time-to-insight. Use natural language query to ask questions of your data, and geographic location to filter your data according to where you are.

- **Power BI Embedded**

## **Grow your business**

Embed fully interactive reports and dashboards into your applications to stand out from the competition—without investing the time and expense of building and maintaining analytics yourself.

- Get to market faster
- Create differentiated data products and offers
- Impress customers and create lifelong fans
- Create new revenue streams

- **Power BI Report server**

### **1. Create reports**

Author beautiful reports with Power BI Desktop. Visually explore data with a freeform drag-and-drop canvas and modern data visualisations.

### **2. Publish to Power BI Report Server**

Publish reports directly to Power BI Report Server. Organise your reports in folders, manage access, and update as necessary.

### **3. Distribute and consume across devices**

Share reports for your users to consume on the web and across mobile devices to meet a range of business needs.

## **2.What limitations of Excel, Microsoft solved by PowerBi?**

Excel has limitations in the amount of data it can work with. In contrast, Power BI can handle much larger amounts of data. Power BI can connect to a large number of data sources, while Excel's connectivity capacity is limited. Also, unlike Excel, Power BI can be easily used from mobile devices.

## **3.Explain PowerQuery?**

With Power Query (known as Get & Transform in Excel), you can import or connect to external data, and then shape that data, for example remove a column, change a data type, or merge tables, in ways that meet your needs.

#### **4.Explain PowerMap**

power map lets you discover insights you might not see in traditional two-dimensional (2-D) tables and charts. With Power Map, you can plot geographic and temporal data on a 3-D globe or custom map, show it over time, and create visual tours you can share with other people.

#### **5. How powerBi eliminated the need to host SharePoint Server on premises?**

The on-premise SharePoint runs on a Client Access License model (Server/CAL), which gives users the legal right to access services within a server. Currently, the SharePoint 2013 support is still up and running, but Microsoft will officially end it with the SharePoint 2013 end-of-life happening in April 2023

SharePoint is available as a server-based On-Premises solution, a cloud-hosted solution, or a hybrid solution, which combines the two offerings

#### **6. Explain the updates done in Power Bi Service(power BI 2.0) as compared to older version ?**

The latest version has more robust features, and it is famous with the name Power BI Desktop. This is an all in one solution for Power View, Power Pivot, and Power Query in the backend.