

## 1. What is Power BI?

Power BI is a business analytics tool developed by Microsoft that helps you turn multiple unrelated data sources into valuable and interactive insights. These data may be in the form of an Excel spreadsheet or cloud-based/on-premises hybrid data warehouses. You can easily connect to all your data sources and share the insights with anyone.

## 2. Why should we use Power BI?

Because Power BI provides an easy way for anyone, including non-technical people, to connect, change, and visualize their raw business data from many different sources and turn it into valuable data that makes it easy to make smart business decisions.

## 3. Difference between Power Query and Power Pivot

The differences between Power Query and Power Pivot are explained as follows:

Power Query	Power Pivot
<u>Power Query</u> is all about analyzing data.	<u>Power Pivot</u> is all about getting and Transforming data.
Power Query is an ETL service tool.	Power Pivot is an in-memory data modeling component

#### **4. What is Power BI Desktop**

Power BI Desktop is an open-source application designed and developed by Microsoft. Power BI Desktop will allow users to connect to, transform, and visualize your data with ease. Power BI Desktop lets users build visuals and collections of visuals that can be shared as reports with your colleagues or your clients in your organization.

#### **5. What is DAX?**

DAX stands for Data Analysis Expressions. It's a collection of functions, operators, and constants used in formulas to calculate and return values. In other words, it helps you create new info from data you already have.

#### **6. What are Filters in Power BI?**

The term "Filter" is self-explanatory. Filters are mathematical and logical conditions applied to data to filter out essential information in rows and columns. The following are the variety of filters available in Power BI:

- Manual filters
- Auto filters
- Include/Exclude filters
- Drill-down filters
- Cross Drill filters
- Drill through filters
- URL filters—transient
- Pass-Through filters