# **BASIC INTRODUCTION TO POWER BI**

**1.What is Power BI ?**

**Answer :**

Power BI is a business intelligence and data visualization tool by Microsoft that helps users connect to data , transform it and create interactive dashboards and reports.

**2.Who developed Power BI?**

**Answer :**

Power BI was developed by Microsoft.

**3.Why do we use Power BI?**

**Answer :**

We use Power BI to analyze data , create visual reports and share insights that support better business decision – making.

**4.What are the main components of Power BI ?**

**Answer:**

* Power BI Desktop (Report creation on PC)
* Power BI Service (Cloud – based sharing and collaboration)
* Power BI Mobile (App for smartphones/tablets)
* Power BI Gateway (Connects on – premises data to cloud)
* Power BI Report Server (On – Premises report hosting)

**5.What is Power BI Desktop?**

**Answer :**

Power BI Desktop is a free application for Windows that allows us to connect to data , transform it , and create reports and dashboards locally.

**6. What is Power BI Service?**

**Answer:**

Power BI Service is a Cloud – based platform where you can Publish , Share , and Collaborate on reports and Dashboards.

**7.What is Power BI Mobile?**

**Answer:**

Power BI Mobile is an app for IOS , Android , and Windows Devices that allows users to access and view Reports/Dashboards.

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

**Answer:**

* Power BI Desktop – Used for creating and designment reports (development tool).
* Power BI Service – Used for publishing , sharing and collaborating online (Cloud Platform).

**9.What are the key features of Power BI ?**

**Answer :**

* Easy Data Connectivity (Excel ,SQL ,Cloud ,Etc)
* Drag - and - drop visualizations
* Real – Time Dashboard Updates
* AI features ( Q&A , Insights)
* Sharing and Collaboration
* Free & Pro Versions

**10. What types of Data Sources can Power BI connect to ?**

**Answer:**

* Power BI can connect to files (Excel , CSV , XML , JSON )
* Database ( SQL Server , Oracle , MySQL), and
* Cloud Services (Azure , Google Analytics , Salesforce , Sharepoint , Etc)

**11.What is a Visualization in Power BI ?**

**Answer :**

A Visualization is a Graphical representation of data (Charts , Tables ,Maps , KPIs, etc )that helps to understand trends , comparisons and insights.