



Power BI

Assignment-3

iNeuron

1. List and explain different PowerBi products?

Ans:- The different products offered by Microsoft are: **Power BI Desktop**, **Power BI Pro**, **Power BI Premium**, **Power BI Mobile**, **Power BI Embedded** and **Power BI Report Server**. Power BI Desktop is the software's free program, intended for businesses in need of a low-cost report building tool.

Power BI Desktop :- Power BI Desktop is a free application you install on your local computer that lets you connect to, transform, and visualize your data. With Power BI Desktop, you can connect to multiple different sources of data, and combine them (often called modeling) into a data model.

Power BI Pro :- Power BI Pro offers a full suite of services for professional users who want to take full benefit of the Power BI ecosystem. The biggest difference between Free and Pro is that with Pro you can share your data, reports, and dashboards with other users who also have a Power BI Pro license.

Power BI Premium :- At its most basic, Power BI Premium is a capacity-based offering, meaning it's dedicated, licensed resources for purchase in the cloud. This differs from the old model of licensing, which only had individual per-user licensing plans.

Power BI Mobile :- Power BI offers a set of mobile apps for iOS, Android, and Windows mobile devices. In the mobile apps, you connect to and interact with your cloud and on-premises data. You create reports in Power BI Desktop.

Power BI Embedded :- Power BI embedded analytics allows you to embed your Power BI items such as reports, dashboards and tiles, in a web application or in a website. We can: Deliver compelling data experiences for end users, enabling them to take action based on insights from your solutions data.

Power BI Report Server :- Power BI Report Server is an on-premises report server with a web portal in which you display and manage reports and KPIs. Along with it come the tools to create Power BI reports, paginated reports, mobile reports, and KPIs.

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

Ans :- 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?

Ans :- Power Query is a data transformation and data preparation engine. Power Query comes with a graphical interface for getting data from sources and a Power Query Editor for applying transformations. Because the engine is available in many products and services, the destination where the data will be stored depends on where Power Query was used. Using Power Query, you can perform the extract, transform, and load (ETL) processing of data.

4. Explain PowerMap?

Ans:- A 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?

Ans:- SharePoint Online comprises both web and cloud-based technologies. It eliminates high data storage costs, subscription charges, and other SharePoint on-premises deployments. The primary benefits of migrating to the SharePoint Online platform are: **The ability to integrate with Microsoft 365 applications.**

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

Ans:- The following updates are new to Power BI 2.0

Reporting :- Slicer type formatting moved to Format Pane.

Modeling :- Making it easier to do comparison calculations.

Data connectivity :- Many updated data connectors.

Visuals :- New visuals in AppSource.