
Power BI Assignment 3

1. List and explain different PowerBi products?

Ans: Different Power Bi desktops are as below:

- a. Power Bi desktop for Windows application
- b. Power Bi mobile: Mobile app to interact with Power Bi reports on mobile device
- c. Power Bi Service: Cloud based service which lets user to share, collaborate and publish. It also has data refresh feature
- d. Power Bi report Server: For hosting reports within organization's network
- e. Power Bi embedded: These are APIs made for developers to embed dashboards and reports into applications.

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

Ans: Below are the limitations in Excel that were solved in Power Bi

- a. Power Bi can handle very large dataset efficiently unlike excel
- b. Real time data interaction and analysis
- c. Improved and interactive data visualization
- d. enhanced data transformation with cleaning and merging in Power query of power bi
- e. More collaborative features
- f. Data import from more sources due to better connectivity options

3. Explain PowerQuery?

Ans: Power Query is a data transformation tool. It helps to clean and shape data that can be analysed in power Bi. And it is also a data connectivity tool. It connects to different data sources to extract data, transform and load (ETL).

4. Explain PowerMap?

Ans: This is a feature used to visualize geographic data in an interactive manner. You can create visually engaging maps, plot data points on map and notice changes with time.

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

Ans: As Power Bi Service provides cloud based collaborative features which is a secure platform to publish, share and collaborate reports, sharepoint server which was meant for collaboration was no longer required. Hence, Power BI eliminated the need of sharepoint server.

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

Ans: Below are the updates:

- A fresh user interface featuring a revamped navigation panel and updated data visualizations.
 - Enhanced collaborative functionalities, such as the capacity to share reports and dashboards with external collaborators and facilitate real-time collaborative report editing.
 - Augmented data modelling capabilities, encompassing the creation of calculated tables and columns, as well as expanded utilization of DAX formulas.
 - Elevated performance and scalability, including swifter loading speeds and the capacity to handle more extensive datasets.
 - Heightened integration with various Microsoft products, including seamless connections with Azure Data Services, Microsoft Teams, and Excel.
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