Power BI Assignment 3

1. List and explain different PowerBi products?

Ans:
- Power BI Desktop: A Windows application for creating and designing Power BI reports and data models.
- Power BI Pro: A subscription service that allows users to publish, share, and collaborate on Power BI reports and dashboards.
- Power BI Premium: A capacity-based subscription that provides dedicated resources for running Power BI reports, ideal for organizations with high usage and large datasets.
- Power BI Premium Per User (PPU): A per-user subscription option for Power BI Premium, providing dedicated capacity for individual users.
- Power BI Mobile: A mobile app for accessing and interacting with Power BI reports and dashboards on smartphones and tablets.

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

Ans: Power BI overtakes these limitations of Excel by providing a power query editor for direct import and transform data in hand and perform normalisation even before making it to the fronted interface and with more specialized and scalable platform for data analysis, modeling, and reporting, specifically suited for today's business culture.

3. Explain PowerQuery?

Ans: Power Query in powerBI is a data transformation and preparation tool by which the user can connect to various data sources, clean, transform, and reshape data, and load it into their analytical models or reports. Power Query simplifies the process of data acquisition and preparation, making it easier for users to work with diverse datasets and ensuring data quality and consistency for analysis.

4. Explain PowerMap?

Ans: Power Map is a 3D visualization tool in Power BI that allows users to create interactive, visual, and geospatial representations of data on a 3D globe or custom maps. It enables users to explore data in a geographical context by pointing data points on maps and visualizing them over time or along a specific category. Filtering options are available, and Bubble point feature in visualisation table in formatting to shape out bubble according to the data filter applied to highlight different localities how they are performing and quick comparison.

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

Ans: Power BI is a cloud-based business intelligence service provided by Microsoft. With Power BI, you can create, share, and collaborate on reports and dashboards entirely in the cloud. This eliminates the requirement for on-premises infrastructure, including SharePoint Server, for hosting and sharing reports. Cloud provides greater flexibility, scalability, accessibility, and cost-effectiveness for organizations.

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

Ans:
- Power BI has continuously added new visualizations and custom visual options to provide users with a broader range of ways to represent data, including tree maps, funnel charts, and more.
- Power BI introduced Dataflows, allowing users to create reusable data preparation and transformation processes that can be shared across multiple reports and datasets.
- Enhanced sharing and collaboration features within Power BI Service, allowing for better teamwork, commenting, and annotation features.
- Power BI has added AI-based features like the AI Insights visuals, which include key driver analysis, decomposition tree, and others