Power BI Assignment 3 (SOLUTIONS)

1. List and explain different PowerBi products?

1. <u>Power BI Desktop</u>: A powerful desktop application for creating data models, reports, and visualizations.

2. <u>Power BI Service</u>: A cloud-based platform for sharing, collaborating, and publishing Power BI reports and dashboards.

3. <u>Power BI Mobile</u>: Mobile apps for accessing and viewing Power BI reports and dashboards on smartphones and tablets.

4. <u>Power BI Embedded</u>: Allows developers to embed Power BI reports and dashboards into their applications or websites.

5. <u>Power BI Report Server</u>: On-premises solution for deploying and managing Power BI reports within the organization's own infrastructure.

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

Power BI addresses several limitations of Excel, including:
- Ability to handle larger data volumes and perform complex calculations.
- Enhanced data modelling capabilities for creating powerful and necessary relationships and measures.
- Interactive and dynamic visualizations for better data exploration.
- Cloud-based collaboration and sharing for real-time data access and collaboration.

3. Explain PowerQuery?

Power Query is a data transformation and preparation tool in Power BI. It allows users to connect to various data sources, apply transformations to shape and clean the data, and load it into the Power BI model. Power Query simplifies the process of data extraction, transformation, and loading (ETL) for analysis and reporting.

4.   Explain PowerMap?

Power Map (3D Maps) is a data visualization tool in Excel that enables users to create interactive, 3D geographic and temporal visualizations. It allows users to plot data on a map, visualize changes over time, and create engaging tours to present data insights. Power Map enhances the visual storytelling capabilities of Excel with immersive and dynamic geospatial visualizations.

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

Power BI eliminated the need for hosting SharePoint Server on premises by providing a cloud-based platform for data storage, sharing, and collaboration. With Power BI Service, users can publish, share, and access reports and dashboards securely from anywhere, eliminating the need for maintaining and managing SharePoint Server infrastructure on premises.