Power BI Assignment 3

1. List and explain different PowerBi products?

Power BI Desktop	Power BI Pro	Power BI Premium	Power BI Embedded
■ Creating and editing customized reports for every level of expertise. ■ Data ingestion from hundreds of supported data sources. ■ Data transformation, cleaning, data model creation with built-in Power Query Editor. ■ AI-driven analytics. ■ Interactive reporting with pre-built or custom visuals.	■ Self-service BI in the cloud. ■ Creating, editing and sharing reports and dashboards among users. ■ Collaboration in personal and team workspaces. ■ 10 GB of storage per user.	■ Enterprise BI both on-premises and in the cloud. ■ Dedicated storage (100 TB) and compute resources. ■ Consumption of Power BI content without individual licensing. ■ Maintaining BI assets on-premises with the Power BI Report server. ■ Paginated reporting. ■ Multi-geo capability.	■ Reports, dashboards and visual analytics embedded into applications. ■ An extensive library of data connectors, APIs, and fully documented SDKs.

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

- **Excel** is used to **organize data, transform it and perform mathematical operations** and calculations. On the other hand, **Power BI** was conceived as a **business intelligence and data visualization tool for businesses**.
- **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.
- **Power BI** has **faster processing** than Excel.
- **Power BI dashboards** are **more visually appealing, interactive and customizable** than those in Excel.
- Power BI is a more powerful tool than Excel in terms of comparison between tables, reports or data files.
- **Power BI** is more user friendly and **easy to use** than Excel.

3.   Explain PowerQuery?

Power Query is the data connectivity and data preparation technology that enables end users to seamlessly import and reshape data from within a wide range of Microsoft products, including Excel, Power BI, Analysis Services, Dataverse, and more.

4.	Explain PowerMap?

What is the power map in Power BI?

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?

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