Power BI Assignment 3

1. **List and explain different PowerBi products?**
   - PowerBI Desktop: Desktop application for data analysis and reports creation
   - PowerBI Mobile: A native mobile application
   - PowerBI Services: Online software services used to collaborate and distribute BI reports
   - PowerBI Report Builder: a tool for creating a paginated reports
   - PowerBI Report Server: a report server available through licensed
   - PowerBI Embedded: a service to embedded reports, visuals and dashboards into application.

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

   Excel is an easier tool to work with but has some limitations. Some of the limitations are:
   - Difficult collaboration
   - Data integrity/security risks
   - Outdated and unreliable data due to exports
   - Slow and limited data intake
   - Not scalable

   PowerBI have huge features like,
   - The maximum number of rows and columns is limited in Excel. Power BI doesn't limit users on the dimension of data.
   - Power BI exceeds Excel features in Data sources. Power BI can get multiple static, dynamic and streaming data. There are 80+ available data sources.
   - The charts and visualisations are much advanced and interactive in Power BI.

- The analytical engine is Power BI is much faster than Excel which can save hours in processing.
- Power BI allows users to share reports and data and collaborate with organisations where excel cannot.

3. Explain PowerQuery?

Microsoft's Data Connectivity and Data Preparation solution is called Power Query. In essence, it allows business users to effortlessly access data that is housed in data sources while also changing it to meet their needs. It is simple to use, entertaining, and even practical for individuals who don't know how to code. The power query in the BI can be connected to one or more resources and can transform the data in an easier manner. After all the transformation process has been done, it can be loaded to the powerBI.

4. Explain PowerMap?

Microsoft Excel and Power BI both include the Power Map capability. It is a tool for 3D data visualisation that enables you to map your data and visually plot more than a million rows of data on Bing maps. Geospatial data is plotted using it in 3D mode. The data may be highlighted depending on a location.

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

By using the Data Management Gateway(DMG) we can achieve this.

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

- Admin and governance
- Access to email subscriptions using the admin API
- Allow your report's modifications to be included in sharing links.

Power BI Assignment 3

- announcing the Power BI Premium Hybrid Tables Public Preview
- Deployment pipelines: provide each pipeline stage its own workspace.