**Power BI Assignment 3**

1. List and explain different PowerBi products?

* Power BI Desktop: Free data analysis and reporting creation / authoring tool.
* Power BI Service: Cloud based modern business analytics solution. Online SaaS used to collaborate and distribute Power BI reports.
* Power BI Mobile: A native mobile app to view and interact with reports
* Power BI Premium: Dedicated capacity for increased performance
* Power BI Report Server: On-premises report server (available through Premium pro licensing)
* Power BI Report Builder: A tool for creating paginated reports
* Power BI Embedded: Visual analytics embedded in your applications

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

* 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.
* Power BI can connect to a large number of data sources

1. Explain PowerQuery?

Power Query is a data transformation and data preparation engine. Power Query comes with a graphical interface for getting data from sources and a Power Query Editor for applying transformations. Because the engine is available in many products and services, the destination where the data will be stored depends on where Power Query was used. Using Power Query, you can perform the extract, transform, and load (ETL) processing of data.

1. Explain PowerMap?

Using a Power BI map is a great way to visualize data that represent locations. With visually appealing maps and easy-to-understand content, users will be able to gain more insight into the data. Using a map is also a good idea if we wish to show insight about quantity or something related to numbers that are connected to certain locations. The Power BI maps are also interactive.

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

SharePoint was widely used for shared access, interaction and collaboration. However, it was different for the case of Power BI. Power BI uses the Power BI service to collaborate and distribute reports.

1. Explain the updates done in Power Bi Service(power BI 2.0) as compared to older version ?
   * Power BI Goals enhancements
   * Deployment pipelines enhancements
   * Download .pbix improvements