**Power BI Assignment 3**

1. List and explain different PowerBi products?

* Ans: 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

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

Ans: 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 can smoothly handle a large amount of data while Microsoft Excel is limited to some extent of data. Power BI handle Big Data while Microsoft Excel is not capable of handling Big Data. Power BI can connect with different varieties of sources while Microsoft Excel can connect to limited sources.

1. Explain PowerQuery?

Ans: 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. ... Using Power Query, you can perform the extract, transform, and load (ETL) processing of data. Power Query is a tool in Microsoft Excel that simplifies the process of importing data from different source files and sorting them into an Excel sheet in the most convenient and usable format.

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, your users will be able to gain more insight into your data. ... We'll show you how to create one using each type of built-in Power BI map.

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

We can share the report to Power BI services instead to host Share Point server.

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

### Ans : Reporting

* New Format pane (preview)
* Page and bookmark navigators
* Sort legend
* Bold, italic, underline for text formatting
* Text box superscript, subscript, and bulleted lists
* Pie and donut chart rotation
* Scorecard visual
* Update on tenant-level Bing Maps feature switch

### Data connectivity

* Azure Synapse Analytics (new connector) (preview)
* Google Sheets (new connector) (preview)
* Azure Cosmos DB V2 (new connector) (preview)
* Delta Sharing (new connector) (preview)
* Many more updated connectors

### Visuals

* New visuals in AppSource
* Find report sample files easily in AppSource
* Many new visuals

### Other

Automatic page refresh now supports DirectQuery for Power BI datasets and Azure Analysis Services