**Power BI Assignment 3**

1. List and explain different Power BI products?

Ans: - These are following power BI products which makes it powerful, intelligent, versatile, easy to access and more :

1. Power BI Desktop: A desktop application for data analysis and reports creation.
2. Power BI services: Online software as service, used to collaborate and distribute report.
3. Power BI mobile App: A mobile application to access report.
4. Power BI Report Builder: A tool for creating paginated report.
5. Power BI Report server: It is a part of Power BI premium. Power BI Report Server is an on-premises report server with a web portal in which you display and manage reports and KPIs. Along with it come the tools to create Power BI reports, paginated reports, mobile reports, and KPIs. Users can access reports in a web browser or mobile device, or as an email in their inbox.
6. Power BI Embedded: A service to embed visuals, reports and dashboards into an application.
7. What limitations of Excel, Microsoft solved by Power BI?

Ans:- There are various limitations of excel solved by Power BI, which are:

1. Power BI can connect to many different data sources than excel.
2. Power BI can handle large data set than excel.
3. Power BI can create beautiful, personalized, attractive and interactive report than excel.
4. Power BI can publish automatic report but excel can’t.
5. Power BI can build and work with complex data model but excel can’t.
6. Power BI allows to collaborate and distribute report but excel not.
7. Explain Power Query?

Ans: - Power Query is a part of Power BI desktop which is used to transfer raw data into clean useful data. In Power Query, we can change data type, create new columns and measure.

1. Explain Power Map?

Ans: - Power Map is a visualization chart which allow to display the data respective to the country, province, and city on Geographical map.

1. How power BI eliminated the need to host SharePoint Server on-premises?

Ans: - [SharePoint](https://products.office.com/sharepoint/collaboration) is an important part of an organizations to organize and distribute BI content to users. Power BI have introduced the [Power BI webpart for SharePoint Online](https://docs.microsoft.com/power-bi/service-embed-report-spo) and an updated [Reporting Services Report Viewer webpart](https://blogs.msdn.microsoft.com/sqlrsteamblog/2017/09/22/embed-paginated-reports-into-sharepoint-using-the-report-viewer-web-part/) for SharePoint on-premises. It gives flexibility to build highly customized SharePoint experiences using their BI content.

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

Ans: - These are following updates been done in Power BI Service V2.0 as compared to older version:

1. Only admin role can publish/update report to Power BI services in V2.0 whereas in older version any developer could publish/update report.
2. Hierarchy slicer
3. New DAX function like [EVALUATEANDLOG](https://learn.microsoft.com/en-us/dax/evaluateandlog-function-dax), TOCSV, TOJSON.
4. Windows 11 support
5. Page and Bookmark navigator and many more.