**Power BI Assignment 3**

1. List and explain different Power Bi products?

🡪 1. Power BI Desktop – It provides a trial version also to the user who wants to

Make visuals. A Windows desktop application for data analysis and report

creation.

2. Power BI Service - Online software as a service, used to collaborate and

distribute Power BI reports.

3. Power BI Mobile - A native mobile application used in mobile for report creation.

4. Power BI Pro / Premium – It’s a Paid service that provides multiple extra

features

5. Power BI Embedded. - A service to embed visuals, reports, and dashboards into

an application.

6. Power BI Report Server. - An on-premises report server (available in Power BI

premium license).

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

🡪 1. In Excel, there are limitations to visualizing the dataset as compared to Power

BI. With the help of Power BI, we can Visualize large amounts of data with

Various Visuals which is difficult to do in Excel.

2. There are limitations connecting data sources in Excel but Power BI

Helps us to resolve this issue. Power BI Connects multiple Data sources.

3. Power BI Provides row-level Security. Time intelligence comparison is easy in

Power BI as compared to Excel.

1. Explain PowerQuery?

🡪 Power Query editor helps us to Transform, Modify, and Load the data.

With the help of Power Query, we can connect to multiple data sources.

Power Query editor shows us Null values, Errors, etc in data and it gives shape

to the data.

1. Explain PowerMap?

🡪 Power Map help when we have geographical data.

Microsoft Power Map is a 3-Dimensional data visualization tool.

we can show geographic-based or location data values on respective areas of the

map according to the location name.

Power Map provides custom maps to explore the data from geo level perspective.

This may include the data in the location, Latitude, and Longitude buckets of the visuals field well.

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

🡪 Share point is an important part of how many organizations organize and

distribute BI content to users.

Over the last year, they have introduced Power BI

web part for share point online and an updated reporting service report viewer

web part for share point on-premises.

Customers like the flexibility this gives them to build highly customized shares.

point experiences using their BI content.

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

🡪Last update was done in September 2022. This release introduces the Power BI

report server for SQL Server 2022. They continue to innovate, create and design to

give everyone the ability to achieve more.

In this new release of the Power BI report server, they have done a lot of work to

make sure they are empowering everyone. The release includes,

Enhanced Windows Narrator support for the new Windows Operating System and

Windows server.

Security Enhancements.

Browser performance improvements with angular.

Accessibility BUG fixes.

Support for SQL server 2022, preview instances report server catalog, and feature

updates.

Improved the Power BI report server portal to provide a more inclusive modern

graphical interface

Introduced the new paginated report migration tool, which connects to the web

from the Power BI report server.