Power BI Assignment 3

1.List and explain different Power Bi products?

ANS: a) Power bi desktop
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.

   b) Power bi Pro
Self-service BI in the cloud. Creating, editing, sharing reports and dashboards among users. Collaboration in personal and team workspaces. 10 GB of storage per user.

   c)Power bi Premium
Enterprise BI both on-premises and in the cloud. Dedicated storage (100 TB) and compute resources. Consumption of Power BI content without individual licensing. Maintaining BI assets on-premises with the Power BI Report server. Paginated reporting. Multi-geo capability.

   d)Power bi Embedded
Reports, dashboards and visual analytics embedded into applications. An extensive library of data connectors, APIs, and fully documented SDKs.

2.What limitations of Excel, Microsoft solved by Power Bi?

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.

3.Explain Power Query?

ANS: Power Query is the data connectivity and data preparation technology that enables end users to seamlessly import and reshape data from within a wide range of Microsoft products, including Excel, Power BI, Analysis Services, Data verse, and more.

4.Explain Power Map?

ANS: A power map lets you discover insights you might not see in traditional two-dimensional (2-D) tables and charts. With Power Map, you can plot geographic and temporal data on a 3-D globe or custom map, show it over time, and create visual tours you can share with other people.

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

ANS: With Power BI's report web part for SharePoint Online, you can easily embed interactive Power BI reports in SharePoint Online pages.

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

ANS: Power BI has changed the design of its format pane. The Power BI team has listened to their users' feedback and redesigned the look and feel of the format pane to optimise the user experience and make creation easier. The new design does not only **replace the format tab icon**, but also includes a descriptive caption to make it easier for users to find.

Prior to the new update, users who wanted to set a customer page or bookmark navigation experience had to set up each individual button for every page or bookmark. Power BI solves this problem with **two new navigators: the page navigator and the bookmark navigator** which make it easier to create personalised navigation experiences.
You can **activate the new feature** in: Insert > Buttons > Navigator.

Power BI has designed **a new dashboard visual that can be added to <u>Power BI reports</u>** to help companies integrate business goals, performance indicators, <u>KPI</u> and dashboards into Power BI reports.

This new visual allows users to **easily integrate a dashboard into a report** as well as update their business goals. In addition, goals can be created in Power BI Desktop and dashboards can be customised to fit the design of the report.

New data connectors: Power BI extends its connectivity with new data connectors and by updating some of the existing connectors.

With the new version, once users have created a report's visuals they can **choose the workspace where they want to save the report**. This increases the capabilities of shared datasets, as users now have the ability to save reports created online in a different workspace from the workspace where the original dataset is located.