Power BI Assignment 3

1. List and explain different PowerBi products?

   ANSWER :-

   - **Power BI Desktop** – This is used to create reports and data visualizations on the dataset.

   - **Power BI Gateway** – You can use Power BI on-premises gateway to keep your data fresh by connecting to your on-premises data sources without the need to move the data. It allows you to query large datasets and benefit from the existing investments.

   - **Power BI Mobile Apps** – Using Power BI mobile apps, you can stay connected to their data from anywhere. Power BI apps are available for Windows, iOS, and Android platform.

   - **Power BI Service** – This is a cloud service and is used to publish Power BI reports and data visualizations.

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

   ANSWER:-

   WHY CHOOSE POWER BI OVER EXCEL?

   - **Store and analyse huge amount of data smoothly:** With powerful compression algorithms to import and cache the data within the .PBIX file, it can easily handle huge data bases. On the other hand Excel struggles even in opening an file having few hundred thousands of rows.

   - **Find Data insights and show trends in minutes:** With build in time intelligence functions, it becomes very easy to dig into vast amount of data and draw trend (unlike Excel).

   - **User Friendly Report Interface:** Its just about drag and drop of the fields when it comes create impressive visualizations. Even a complex report with diverse visualizations won't take more then 10 to 20 mins to create. If you think that pre

enabled visualizations are not enough then you can import a custom visualization anytime in just few clicks from the library of 100's of custom visuals.

- **Publishing and Sharing the Report:** Just by hitting the publish button, one can publish the report on Power BI service and whosoever has an access to it can view the updated report or dashboard always. On the other hand in Excel, one need to send emails or putting in the share drive or share point and telling them that we have updated the file.

- **Defining Roles:** Power BI gives us an option to define roles to make sure people from different departments or locations can see only their respective data (Which can't be done in Excel).

3. Explain PowerQuery?

ANSWER:-

Power Query act as an "ETL" tool for Power BI i.e. it Extracts data from one or multiple sources, Transform that data and finally Load it into Power BI environment.
It also facilitates an "Applied Steps" feature, where whatever we do, will get recorded as steps and upon updating the source data, all those steps will get applied to them automatically and this way the creator of the report needs not to repeat the steps.

4. Explain PowerMap?

ANSWER:-

Power Map's strongest features are a time axis that enables you to watch trends over time, the ability to show multiple layers at once, and the storytelling capabilities that come from scenes and tours. Power Maps have more choices for graphs, including columns, bubbles, heat maps, and region shading. But there is no drill-down capability to see an increased level of detail. Update: As of Sept 2014 you now have the ability to filter your data in a Power Map. The great thing about Office365 is that you can get monthly updates. The inconvenient thing about that is I have to go back and update blog posts when this happens. Power Map can facilitate great storytelling with data through the use of scenes and tours. You can look at a particular geography and time period in each scene and combine scenes into a tour, then you can share that tour to take users on your journey to gain insight.

5. How powerBi eliminated the need to host SharePoint Server on premises?
   ANSWER:-
   The on-premise SharePoint runs on a Client Access License model (Server/CAL), which gives users the legal right to access services within a server. Currently, the SharePoint 2013 support is still up and running, but Microsoft will officially end it with the SharePoint 2013 end-of-life happening in April 2023. SharePoint is available as a server-based On-Premises solution, a cloud-hosted solution, or a hybrid solution, which combines the two offerings.

6. Explain the updates done in Power Bi Service(power BI 2.0) as compared to older version ?
   ANSWER:-
   The latest version has more robust features, and it is famous with the name Power BI Desktop. This is an all in one solution for Power View, Power Pivot, and Power Query in the backend.