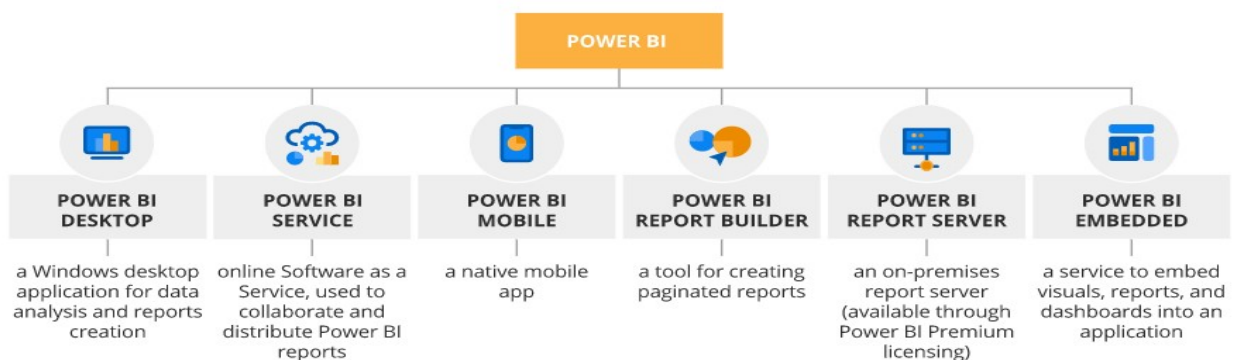# Power BI Assignment 3

1. List and explain different PowerBi products?

   The different products offered by Microsoft are: Power BI Desktop, Power BI Pro, Power BI Premium, Power BI Mobile, Power BI Embedded and Power BI Report Server. Power BI Desktop is the software's free program, intended for businesses in need of a low-cost report building tool.

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

   Excel has limitations in the amount of data it can work with. This limitation can be solved by Power BI which 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.

   Excel can be slower and less performant compare to Power BI for same large dataset. While Power BI have faster processing.

   Excel doesn't have security and identity infrastructure while Power BI solve this problem by having security, secure ,safe way to handle the data.

3. Explain Power Query?

   The Power Query helps you to connect to sources, shape and transform the data

to meet your needs. it basically, enables business users to access data stored in data sources seamlessly whilst, reshaping it to fit their needs. It's easy to use, engaging, even convenient to use for the no-code users.

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. Because the engine is available in many products and services, the destination where the data will be stored depends on where Power Query was used.

Using Power Query, you can perform the extract, transform, and load (ETL) processing of data.

4. Explain Power Map?

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?

As Microsoft continues to innovate in SharePoint, an increasing amount of SharePoint multi-tenancy capabilities are taking dependencies on cloud technologies that aren't available in on-premises environments. The cost and complexity of providing an on-premises alternative has become prohibitive, so we will no longer support multi-tenancy in the SharePoint Server 2019 release.

Code Based Sandbox solutions are removed in sharepoint which are supported on-premises. A lots of features was removed in share point

Power Pivot Gallery and Refresh feature was first introduced in SharePoint, Microsoft BI strategy has shifted away from heavy integration to a standalone BI solution, Power BI, to give customers a flexible, optional integration with SharePoint along with standalone capabilities.

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

Power BI Desktop is updated and released on a monthly basis, incorporating customer feedback and new features. BI Desktop is no longer supported on Windows 7. Power BI Desktop is supported on Windows 8 or newer versions of Windows, for the most recent release of Power BI Desktop only.

Slicer type formatting moved to Format Pane

Making it easier to do comparison calculations

Many updated data connectors