

# ASSIGNMENT 3

## 1. List and explain different Power BI products?

The different Power BI products are as follows:

- Power BI Desktop: It is desktop based free applications that we can install on our local computer that lets you connect to, transform and visualize the data.
- Power BI service: It is Saas based online service, that allows to load reports on cloud platform.
- Power BI Pro: It is the full, license based version, which means it comes with complete capability for building dashboards, reporting and importantly sharing reports.
- Power BI Premium: It is a dedicated, server space that we purchase from Microsoft that allows to be the sole organizational user of a set amount of server capacity.
- Power BI mobile: Power BI offers mobile apps to connect and interact with the cloud and on-premises data.
- Power BI embedded: It is cloud based Saas that enables anyone to visualize and analyze data with greater speed, efficiency and understanding.

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

The limitations of Excel, solved by Power BI are as follows:

- Power BI can handle larger amounts of data.
- It can connect to large number of data sources.
- It has faster processing than excel
- It dashboards are more appealing, interactive and customizable compared to Excel.
- It is more user friendly and easy to use.

### 3. Explain Power Query?

- Power Query is data transformation and data preparation engine.
- It comes with 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 ETL processing of data.

### 4. Explain Power Map?

- Microsoft Power Map for Excel is a three-dimensional (3-D) data visualization tool that lets you look at information in new ways.
- A power map lets you discover insights you might not see in traditional two-dimensional (2-D) tables and charts.

### 5. How Power BI eliminated the need to host SharePoint Server on premises?

- Power BI has introduced Power BI service which is a SaaS platform, where we can upload the reports and dashboard over there.
- It has connected with multiple data sources without the need to host on premises.

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

- The latest version has more robust features, and it is famous with the name Power BI Service. This is an all in one solution for Power View, Power Pivot, and Power Query in the backend.

- Power BI offers many add-ins for Excel, which is useful for better visualizations.