Assignment – 3 (Power BI)

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

Ans:

1. Creating and editing customized reports for every level of expertise.
2. Data ingestion from hundreds of supported data sources.
3. Data transformation, cleaning, data model creation with built-in Power Query Editor.
4. AI-driven analytics.
5. Interactive reporting with pre-built or custom visuals**.**

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

Ans:

1. Excel is used to organize data, transform it and perform mathematical operations and calculations. On the other hand, Power BI was conceived as a business intelligence and data visualization tool for businesses.
2. Excel has limitations in the amount of data it can work with. In contrast, Power BI can handle much larger amounts of data.
3. Power BI has faster processing than Excel.
4. Power BI dashboards are more visually appealing, interactive and customizable than those in Excel.
5. Power BI is a more powerful tool than Excel in terms of comparison between tables, reports or data files.
6. Power BI is more user-friendly and easier to use than Excel.

**3. Explain PowerQuery?**

Ans: Power Query is a business intelligence tool available in Excel that allows you to import data from many different sources and then clean, transform and reshape your data as needed.

It allows you to set up a query once and then reuse it with a simple refresh. It’s also powerful. Power Query can import and clean millions of rows into the data model for analysis after. The user interface is intuitive and well laid out so it’s easy to pick up.

**4. Explain PowerMap?**

Ans: 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 powerBi eliminated the need to host SharePoint Server on premises?**

Ans: Microsoft SharePoint is a document management and collaboration platform that helps a company manage archives, documents, reports and other content that is vital to its business processes. SharePoint's enterprise content management capabilities are helpful to organizations in all industries and in any department within an organization. SharePoint is configured using a web browser. It provides most of its capabilities via a web user interface (UI) and web applications. SharePoint is used to manipulate content and site structure, create and delete sites, enable and disable product features, configure basic workflows and manage analytics.

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

Ans: This November Microsoft has announced several new features in its data analysis and data visualisation platform Power BI. Discover the 6 most important updates to the platform and how to configure them. Power BI is undoubtedly one of Microsoft's leading data analytics technologies. The suite of services, specially designed to meet companies' business needs, is the ideal tool for creating reports and dashboards, as well as for data visualisation.