**Power BI Assignment 3**

**List and explain different PowerBi products?**

- Power BI Desktop - a windows desktop open source application for data analysis and report creation.

Power BI Service - Software as service used to collaborate and distribute Power BI reports

- Power BI mobile - a native mobile application

**What limitations of Excel, Microsoft solved by PowerBi?**

- 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](https://blog.bismart.com/en/data-visualization-with-power-bi) tool for businesses.

- 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. Power BI has faster processing than Excel.

- Power BI dashboards are [more visually appealing, interactive and customizable](https://blog.bismart.com/en/reporting-services-and-highly-visual-and-interactive-reports) than those in Excel.

- Power BI is a more powerful tool than Excel in terms of comparison between tables, reports or data files.

- Power BI is more user friendly and easy to use than Excel.

**Explain PowerQuery?**

- [Power Query](https://www.simplilearn.com/tutorials/excel-tutorial/power-query-in-excel" \o "Power Query" \t "/Users/gautambhandare/Desktop/x/_blank) is the data transformation and mash up the engine. It enables you to discover, connect, combine, and refine data sources to meet your analysis need. It can be downloaded as an add-in for Excel or can be used as part of the Power BI Desktop.

**Explain PowerMap?**

- Microsoft's Power Map for Power BI is a 3-D data visualization tool that lets you map your data and plot more than a million rows of data visually on Bing maps in 3-D format from an Excel table or Data Model in Excel. Power Map works with Bing maps to get the best visualization based on latitude, longitude, or country, state, city, and street address information.

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

Microsoft made the difficult decision to discontinue the SharePoint Online Public Website feature so that they can focus their efforts and investments on delivering capabilities in Microsoft 365 that will bring more value to the customers.

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

Power BI data storytelling

Announcing the Data hub

Power BI metrics updates

Data hub improvements - data preview and export