**Power BI Assignment 3**

1. List and explain different PowerBi products?
2. What limitations of Excel, Microsoft solved by PowerBi?
3. Explain PowerQuery?
4. Explain PowerMap?
5. How powerBi eliminated the need to host SharePoint Server on premises?
6. Explain the updates done in Power Bi Service(power BI 2.0) as compared to older version ?

1.List and explain different PowerBi products?

Answer- Power BI + Enterprise data warehouse. To explore and visualize corporate data stored in a centralized data storage.

* Power BI + ERP. ...
* Power BI + CRM. ...
* Power BI + HRMS. ...
* Power BI + IoT device management system.

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

Answer- 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.

1. Explain PowerQuery?

Answer- With Power Query (known as Get & Transform in Excel), you can import or connect to external data, and then shape that data, for example remove a column, change a data type, or merge tables, in ways that meet your needs.

1. Explain PowerMap?

Answer- 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 powerBi eliminated the need to host SharePoint Server on premises?

Answer-

[SharePoint](https://products.office.com/sharepoint/collaboration) is an important part of how many organizations organize and distribute BI content to users. In recognition of how important this approach is, we’ve invested in modernizing and creating deeper integrations with SharePoint. Over the last year, we have introduced the [Power BI webpart for SharePoint Online](https://docs.microsoft.com/power-bi/service-embed-report-spo) and an updated [Reporting Services Report Viewer webpart](https://blogs.msdn.microsoft.com/sqlrsteamblog/2017/09/22/embed-paginated-reports-into-sharepoint-using-the-report-viewer-web-part/) for SharePoint on-premises. Customers like the flexibility this gives them to build highly-customized SharePoint experiences using their BI content.

[Yesterday’s announcement and release of the public preview](https://techcommunity.microsoft.com/t5/Microsoft-SharePoint-Blog/Announcing-Availability-of-SharePoint-Server-2019-Preview/ba-p/214427) of SharePoint 2019 continues to deliver on the vision we first outlined [in our Reporting Services blog](https://blogs.msdn.microsoft.com/sqlrsteamblog/2016/11/17/simplifying-our-sharepoint-integration-story/) by simplifying deployment modes for Reporting Services by removing SharePoint integrated mode, while still allowing integration with SharePoint using the updated web part. This decision was based on the consistent feedback from our users, and by making these changes, we’ll be able to innovate and release integration capabilities faster and more often that best meet the needs of customers now and in the future.

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

Answer- December's updates are a sleigh ride of fun, making us want to go door-to-door and sing about our new and updated features. May your data analytics always be cheery and bright.

This article describes updates to Power BI Desktop and the Power BI service. To learn about updates for mobile, check out [What's new in the mobile apps for Power BI](https://learn.microsoft.com/en-us/power-bi/consumer/mobile/mobile-whats-new-in-the-mobile-apps).

The links beside each feature in the list are follows:

* [blog]: Most features are explained in a section in the monthly update blog post.
* [video]: Some features have a video excerpt that discusses the feature, which plays in a new browser tab.
* [article]: Some features have an article that provides more detail.
* The remaining features are self-explanatory and don't need an article or video.

You can also watch the entire [Power BI monthly update video](https://learn.microsoft.com/en-us/power-bi/fundamentals/desktop-latest-update?tabs=powerbi-desktop#power-bi-monthly-update-video).