1. List and explain different PowerBi products?

Here are the different Power BI products and their brief explanations:

1. Power BI Desktop - a free, Windows-based application that allows users to create interactive reports and data visualizations. This is the primary authoring tool for Power BI.
2. Power BI Service - a cloud-based service that allows users to share, collaborate and access Power BI reports and dashboards. This is also where the data is stored.
3. Power BI Mobile - a mobile application that allows users to access and interact with Power BI reports and dashboards on their mobile devices.
4. Power BI Report Server - an on-premises solution that allows users to host and share Power BI reports within their own organization's network.
5. Power BI Embedded - a developer-focused service that enables developers to embed Power BI reports and dashboards into their own applications.
6. Power BI Premium - a paid subscription that provides dedicated resources and enhanced capabilities for larger organizations. This includes features such as paginated reports, AI-powered insights, and larger data volumes.
7. Power BI Dataflows - a cloud-based service that allows users to extract, transform, and load data from various sources, and then store and manage that data in the Power BI service. This is a useful tool for data preparation and data integration.
8. Power BI Visuals Marketplace - a collection of custom visuals that can be used in Power BI reports and dashboards. These visuals are created by the Power BI community and can be downloaded and used for free.

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

Power BI solves several limitations of Excel and Microsoft, including:

1. Scalability: Excel has limitations on the amount of data it can handle, whereas Power BI can handle much larger data volumes.
2. Data modeling: Power BI provides more advanced data modeling capabilities than Excel, allowing users to create complex relationships between tables and data sources.
3. Data transformation: Power BI includes powerful data transformation tools that allow users to clean, reshape, and transform data from various sources.
4. Interactive visualization: Power BI provides a range of interactive visualization tools that allow users to explore and analyze data in more detail than Excel.
5. Collaboration: Power BI allows users to share reports and dashboards with others, enabling collaboration and knowledge sharing.
6. Real-time data: Power BI supports real-time data streaming, which is not possible in Excel.
7. Data security: Power BI provides more advanced data security and access control features than Excel.

1. Explain PowerQuery?

Power Query is a data transformation and data preparation tool that is used in Power BI, Excel, and other Microsoft applications. It allows users to extract data from a wide range of sources, clean and shape the data, and load it into a data model or a report.

Power Query provides a graphical user interface that allows users to perform data transformations using a series of steps. These steps are recorded and can be edited or repeated as needed. Power Query also provides a formula language called M, which can be used to create more advanced transformations.

Some of the key features of Power Query include:-Data source connectivity, Data transformation, Data cleaning, Data shaping and Data loading.

1. Explain PowerMap?

* Power Map is a tool in Excel that allows users to create interactive 3D maps from data. It is part of the Power BI suite of tools.
* With Power Map, users can plot data on a map, visualize data over time, and create animated tours of their data. Users can create maps from a variety of sources, including Excel tables, Power Pivot tables, and SQL Server databases.
* Power Map provides a range of mapping features, including heat maps, column charts, and bubble charts. Users can also customize their maps by adding titles, legends, and data labels.
* One of the key features of Power Map is the ability to create animated tours of data. Users can create a tour by selecting a series of scenes, each of which displays a different view of the data. The tour can then be played back as an animation, allowing users to tell a story with their data.
* Overall, Power Map is a powerful tool for visualizing and analyzing data on a map. It provides a range of mapping features and allows users to create interactive and animated maps that can help them gain insights into their data.

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

* Power BI eliminates the need to host SharePoint server on premises by providing a cloud-based platform for sharing and collaborating on business intelligence content.
* With Power BI, users can create and publish reports, dashboards, and datasets to the cloud. These reports and dashboards can be accessed through a web browser or through the Power BI mobile app. Users can also share their content with others by publishing it to a workspace or sharing it directly with other users.
* Power BI integrates with SharePoint Online, allowing users to embed reports and dashboards directly into SharePoint pages. This provides a seamless experience for users, who can access their business intelligence content from within the SharePoint environment.

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

Power BI 2.0 introduced several new features and enhancements compared to the older version. Some of the key updates include:

1. Improved user interface: Power BI 2.0 features a new and improved user interface that is more intuitive and easier to use than the older version.

2. New visualization types: Power BI 2.0 includes several new visualization types, including funnel charts, gauges, and area charts.

3. Enhanced data modeling: Power BI 2.0 includes several enhancements to data modeling, including the ability to create calculated tables and columns, and support for bi-directional cross-filtering.

4. Improved data connectivity: Power BI 2.0 features improved connectivity to a wide range of data sources, including cloud-based sources such as Azure and Salesforce, as well as on-premises sources such as SQL Server and Oracle.

5. Better sharing and collaboration: Power BI 2.0 includes several new features that make it easier to share and collaborate on reports and dashboards, including the ability to share dashboards with external users and the ability to collaborate on reports in real-time.