PowerBI Assignment_3 iNeuron

1. List and explain different PowerBi products?

Ans:

1) Power BI Desktop:
   - Creating and editing customized reports for every level of expertise.
   - Data ingestion from hundreds of supported data sources.
   - Data transformation, cleaning, data model creation with built-in Power Query Editor.
   - AI-driven analytics.
   - Interactive reporting with pre-built or custom visuals.
2) Power BI Pro:
   - Self-service BI in the cloud.
   - Creating, editing and sharing reports and dashboards among users.
   - Collaboration in personal and team workspaces.
   - 10 GB of storage per user.
3) Power BI Premium:
   - Enterprise BI both on-premises and in the cloud.
   - Dedicated storage (100 TB) and compute resources.
   - Consumption of Power BI content without individual licensing.
   - Maintaining BI assets on-premises with the Power BI Report server.
   - Paginated reporting.
   - Multi-geo capability.
4) Power BI Embedded:
   - Reports, dashboards and visual analytics embedded into applications.
   - An extensive library of data connectors, APIs, and fully documented SDKs.

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

Ans: 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.

3. Explain PowerQuery?

Ans: Power Query is the data connectivity and data preparation technology that enables end users to seamlessly import and reshape data from within a wide range of Microsoft products, including Excel, Power BI, Analysis Services, Dataverse, and more.

4. Explain PowerMap?

Ans: A power map lets you discover insights you might not see in traditional two-dimensional (2-D) tables and charts. With Power Map, we 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?

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.

SharePoint 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 and an updated Reporting Services Report Viewer webpart for SharePoint on-premises. Customers like the flexibility this gives them to build highly-customized SharePoint experiences using their BI content.