Assignment3powerbi

Answer1.

List of power bi products

1. Power bi desktop: it is a windows application in which we can make a report data visualization for creating publishing report.
2. Power bi service: it is a cloud-based platform A cloud-based platform for sharing and collaborating on reports and dashboards.
3. Power bi mobile: it is a mobile app for ios , android and windows devices that allows users to view and interact with reports and dashboards .
4. Power bi report server: it is a server application that allows organization to host and distribute power bi reports and dashboards on premises
5. Power bi embedded: a service that allows developers to embed power bi reports and visualizations into other applications.
6. Power bi premium; it is a paid version with extra features like ai, advanced analytics.

Answer 2.

1. Scalability: excel cannot hold and work large datasets but power bi can.
2. Data modeling: It can be done in both but modeling is much easier and advanced in power bi, measure , relationship creation
3. Data visualization: in excel there is basic visualization but In power bi this visualization area increase with advanced charts and visuals.
4. Collaboration : sharing and collaboration in excel is difficult but in power bi due cloud based platform power bi service sharing and collaboration is easy.
5. Real time data : excel requires manual updates to reflect changes in real time data , whereas power bi can automatically refresh data from variety of sources

Answer 3

Power query can be defines as the part of power bi on which we can perform data cleaning, transforming, editing by performing queries and make our data accessible and clean.

Answer 4.

Power map can be defined as the power bi tool which can be used used to create 3d map time based data as per different time zones and can help us for better functions.

Answer5.

Power bi eliminates the need to host sharepoint server on premises by providing a cloud based platform for data sharing and collaboration . traditionally , organizations that wanted to share reports and dashboards created in excel or other tools needed to host sharepoint server on premises.

Answer6

Microsoft Power BI Service (Power BI 2.0) has gone through numerous updates and enhancements compared to its older version. Here are some of the major updates:

1. Updated user interface: Power BI 2.0 comes with an updated user interface that is more intuitive and user-friendly. The new interface makes it easier for users to find the tools and features they need.
2. Better data visualization: Power BI 2.0 comes with more powerful and flexible data visualization tools that allow users to create more complex and sophisticated visualizations. The new version also includes additional chart types and improved formatting options.
3. Improved data modeling: Power BI 2.0 includes improved data modeling capabilities, making it easier for users to create and manage data models. The new version also allows users to create calculated columns and measures directly in the data model.
4. Enhanced collaboration features: Power BI 2.0 includes enhanced collaboration features, including the ability to share dashboards and reports with colleagues and stakeholders, and the ability to collaborate on reports in real-time.
5. Increased data connectivity: Power BI 2.0 supports a wider range of data sources, including cloud-based data sources such as Azure SQL Database, Azure Data Lake Storage, and more.
6. Improved mobile experience: Power BI 2.0 provides an improved mobile experience, allowing users to view and interact with dashboards and reports on mobile devices more easily.
7. Advanced analytics capabilities: Power BI 2.0 includes advanced analytics capabilities, including machine learning and artificial intelligence tools that allow users to perform predictive and prescriptive analytics on their data.