Q4. What is Dax?

DAX stands for Data Analysis Expressions. It is a formula language used in Microsoft Power BI, Excel, and other Microsoft data tools to create custom calculations and manipulate data. DAX formulas can be used to create calculated columns, measures, and tables that summarize and analyse data

Q5. What is the role of get data in Power BI?

The "Get Data" feature in Power BI is one of the most important and fundamental features of the tool. Its main role is to allow users to connect to various data sources, extract and transform the data, and load it into Power BI for analysis and reporting.

With "Get Data," users can import data from a wide variety of sources such as Excel files, CSV files, databases, cloud-based services, and more. It provides a simple and intuitive user interface for connecting to these sources, selecting the desired data, and transforming it as needed using Power Query, a powerful data transformation and cleansing engine built into Power BI.

Some of the specific tasks that users can perform with "Get Data" in Power BI include:

1. Connecting to data sources: Users can connect to a variety of data sources, including cloud-based data services like Azure SQL Database, Amazon Redshift, and Google Big Query, as well as on-premises data sources like SQL Server, Oracle, and MySQL.
2. Extracting data: Once connected to a data source, users can extract the data they need by selecting the desired tables, views, or queries.
3. Transforming data: Using Power Query, users can transform and cleanse the data as needed, including filtering, sorting, grouping, pivoting, and combining data from multiple sources.
4. Loading data: Once the data has been transformed, users can load it into Power BI for analysis and reporting, either as a table, a query, or a data model.

Overall, "Get Data" is a crucial feature in Power BI that enables users to connect to and extract data from a wide variety of sources, transform and cleanse it as needed, and load it into Power BI for analysis and reporting.

Q6. What is power query and what are its function available in its ribbon?

Power Query is a data transformation and cleansing tool that is integrated into Microsoft Power BI, Excel, and other Microsoft data tools. It allows users to connect to a wide variety of data sources, extract and transform the data, and load it into Power BI for analysis and reporting.

Some of the main functions available in the header of Power Query include:

1. Home: The Home tab contains basic data transformation functions such as filtering, sorting, and grouping data. It also contains options to manage queries, such as renaming and deleting queries.

2. Transform: The Transform tab contains advanced data transformation functions such as pivoting, unpivoting, merging, and appending data. It also contains options to split columns, apply transformations to data types, and remove duplicates.

3. Add Column: The Add Column tab contains functions to create new columns in the data table. Users can create calculated columns using DAX formulas or create custom columns using functions such as text, date, and math operations.

4. View: The View tab contains options to manage the view of the data table, including changing the data type of columns, hiding or showing columns, and changing the order of columns.

5. Options: The Options tab contains settings for the Power Query editor, including the privacy settings, query diagnostics, and performance options.

Overall, Power Query is a powerful data transformation and cleansing tool that provides a wide range of functions to help users extract, transform, and load data into Power BI for analysis and reporting.