**1. Explain DAX.**

**2. Explain datasets, reports, and dashboards and how they relate to each other?**

**3. How reports can be created in power BI, explain two ways with Navigation of each.**

**4. How to connect to data in Power BI? How to use the content pack to connect to google analytics? Mention the steps.**

**5. How to import Local files in Power BI? Mention the Steps.**

**6. In Power BI visualization, what are Reading View and Editing view.**

A1.  DAX is a collection of functions, operators, and constants that can be used in a formula, or expression, to calculate and return one or more values. Stated more simply, DAX helps you create new information from data already in your model.

Data Analysis Expressions (DAX) is a formula expression language used in Analysis Services, Power BI, and Power Pivot in Excel. DAX formulas include functions, operators, and values to perform advanced calculations and queries on data in related tables and columns in tabular data models

A DAX formula always starts with an equal sign (=). After the equals sign, you can provide any expression that evaluates to a scalar, or an expression that can be converted to a scalar. These include the following: A scalar constant, or expression that uses a scalar operator (+,-,\*,/,>=,...,&&, ...)

A2. A data set is an ordered collection of data. As we know, a collection of information obtained through observations, measurements, study, or analysis is referred to as data. It could include information such as facts, numbers, figures, names, or even basic descriptions of objects.

A report is a document that presents information in an organized format for a specific audience and purpose. Although summaries of reports may be delivered orally, complete reports are almost always in the form of written documents.

A dashboard is a visual display of all of your data. While it can be used in all kinds of different ways, its primary intention is to provide information at-a-glance, such as KPIs. A dashboard usually sits on its own page and receives information from a linked database.

Dashboards are created from multiple datasets or reports. Reports are created from a single dataset. Visualization. Dashboards always concentrate on building insights into the data by using graphs, attractive visuals, charts, etc.

A3. Create a report from an Excel file in the Power BI service. Create a report quickly from a SharePoint list or library. Create a report quickly from Dynamics 365. Interact with autogenerated "quick" reports in the Power BI service.

Click on the button on your first (landing) page and go down the Action selection. In the Destination drop-down, select the page you want to navigate to. On the destination page, do this same process with the navigation pointing back to your starting page.

The Create new content section has options for you to create or import content. Power BI has two ways to create or import your own content, Files and Databases.  
...  
Files

Excel workbooks, or . xlsx and . ...

Power BI Desktop or . ...

Comma-separated value or . ...

For other file types, like XML (.

A4. To connect to data, from the Home ribbon select Get data. The Get Data window appears. You can choose from the many different data sources to which Power BI Desktop can connect. In this quickstart, use the Excel workbook that you downloaded in Prerequisites.

How to connect to Google Analytics

Sign in to Looker Studio.

In the top left, click. ...

Select the Analytics connector.

If prompted to grant Looker Studio access to your account, click AUTHORIZE.

Select an account.

Select a property.

To connect to Universal Analytics ("Web"), select a view.

A5. Manually import data to Power BI

In Power BI, click Get Data in the lower left screen.

Under Import or Connect to Data > Files, click Get.

Click Local File.

Choose which file to upload and click Open.

Click Upload under Upload your Excel file to Power BI.

The message “Your file has been uploaded” should appear.

A6. The Power BI service has two different modes for interacting with reports: Reading view for report business users and Editing view for report owners and creators. We need a Power BI Pro or Premium Per User (PPU) license to share reports and to edit reports created by others.

here are two modes for interacting with reports in the Power BI service: Editing view and Reading view. If you are a business user, then you are more likely to use Reading view to consume reports created by others. Editing view is used by report designers, who create the reports and share them with you. Reading view is your way to explore and interact with reports created by colleagues.

Even in Reading view, the content isn't static. You can dig in, looking for trends, insights, and other business intelligence. Slice and dice the content, and even ask it questions using your own words. Or, sit back and let your data discover interesting insights for you; send you alerts when data changes, and email reports to you on a schedule you set. All your data, any time, in the cloud or on-premises, from any device.