--------------------------------------------------Power BI Assignment 5-------------------------------------------------

1. Explain DAX?

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.

It’s easy to create a workbook and import some data into it. You can even create PivotTables or Pivot Charts that display important information without using any DAX formulas.

DAX formulas provide this capability and many other important capabilities as well. Learning how to create effective DAX formulas will help you get the most out of your data. When you get the information you need, you can begin to solve real business problems that affect your bottom line. This is Business Intelligence, and DAX will help you get there.

--------------------------------------------------------------------------------------------------------------------------------------

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

Dashboards are created from multiple datasets or reports. Dashboards always concentrate on building insights into the data by using graphs, attractive visuals, charts, etc. Reports are not concentrated on the visualization part of the data rather it looks to create summary pages.

**Dashboards** allow a user to pin visuals from different **reports** and datasets onto a single canvas, making it simple to group what’s essential to the user. Where as **Reports** are more focused on being able to visualize and apply transformations to a single dataset.

Dashboards are created on only one page and reports can be created in one or more pages

In dashboards, alerts to emails are created, when specific condition or criteria is met or limit crossed. We can’t create Alerts in Reports.

In dashboards, you can’t see the underlying dataset tables but can export data. While in Reports you can see a dataset under the Data tab in Power BI Desktop.

Q3. How reports can be created in power BI, explain two ways with Navigation of each?

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.

Step 1: Install Power BI Desktop for Power BI Report Server

Step2: **Start Power BI Desktop**

**Step3:** Select a data source

You can connect to a variety of data sources🡪 From the welcome screen, select Get Data. Or on the Home tab, select Get Data.

Step4: Fill in **Server**, and optionally, **Database**. Make sure **Connect live** is selected > **OK**.

Choose the report server where you'll save your reports.

Step5: Design your report

Step6: Save your report to the report server: When your report is ready, you save it to the Power BI Report Server.

On the **File** menu, select **Save as** > **Power BI Report Server**.--🡪 Now you can view it in the web portal.

Q4. How to connect to data in Power BI? How to use the content pack to connect to

Google analytics? Mention the steps?

And: 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 Power BI, it’s straightforward to connect to the Google Analytics content pack.

Step1: In the left navigation pane, click Get Data

Step2: In the Services box, click Get.

Step3: From the menu of online services, select Google Analytics, and then click Connect.

Step4: Enter the Google Analytics account, property, and view that you want to connect to. Then sign in with your Google Analytics credentials.

Step5: To permit Power BI to connect to Google Analytics, click Accept.

Step6: When the import process completes, you will see a new dashboard, report, and model in the Navigation Pane. Select the dashboard to view your imported data.

-----------------------------------------------------------------------------------------------------------------------------------

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

Ans: 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.

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

Ans:There 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.27-Mar-2023

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.