Power BI Assignment 5

# Explain DAX.

DAX strands data analysis exploration, is a formulae language used in Power Bi, excel and other Microsoft tools for business intelligence and analysis its designed for creating custom calculations in data model such as defining measures, calculated columns and tables. It enables users to manipulate and analyse data, making it a powerful tool for creating dynamic and interactive report and dashboards.

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

Dataset - A dataset is a structure collection of data it can be a table in database, in excel, spreadsheet or data imported from various sources.

Report - A report is a document or file where data is presented in a structure format.

Dashboard - A dashboard is a visual representation of a key matrix and insights from a dataset or multiple datasets.

**Relationships:**

Dataset to Report : The datasets serves as a foundation to creating reports. Reports are build by extracting and visualizing information from the datasets.

Report to dashboard : Visualization and insight from the dashboard can be pinned to a dashboard.

Dashboard to dataset: While dashboards and reports are derived from the dataset, interactions with visualizations from dashboards can sometime influence the underlying datasets through filtering or other actions.

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

1. Import data sources.
2. Load and transform data.
3. Import second data source.
4. Create relationships
5. Drag and drop to create relationship
6. Manage relationships
7. Test relationships
8. Create visualization across data sources.
9. Save and publish.

**Using google analytics connector in power BI:**

1. Open power Bi desktop
2. get data
3. select google analytics
4. Sign in to google account
5. Choose google analytic account and view.
6. Select tables or write query.
7. Load data
8. Transform and model data(Optional).
9. Create visualisation.
10. Save and publish(Optional).

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

1. Open power Bi desktop.
2. Get data
3. Select file source.
4. Navigate to local file
5. Configure import functions
6. Load data.
7. Transform and model data(Optional).
8. Create visualization.
9. Save and publish(Optional).

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

**Reading view** is the mode where you can interact with and explored the visualization and data in your power BI report without making structural or design changes through reading view mode we can view and analyse data visualization, drill down into data details, filter and slice the data based on existing parameters.

**Editing view** is the mode where you can make structural changes to your report, design new visualizations, and modify data connections. With editing view mode we can create new visualizations, modify existing visualizations, add or remove fields from the remote canvas, adjust formatting and layout, manage data sources and relationships.