

## Assignment 5

① Explain DAX.

Sol<sup>n</sup> → DAX (Data Analysis Expressions) is a formula expression language and can be used in different BI and viz. tools.  
→ Also known as function language.

→ Contains two data types :- ① Numeric ② Others

→ Numeric Includes :- integers, currency and decimals.

→ Others Includes :- string and binary objects.

DAX Functions :- ① Aggregate ② Text ③ Date ④ Logical  
⑤ Counting ⑥ Information

① Aggregate Functions :- ① Min ② Max, ③ Avg ④ Sum

② Counting Fun<sup>s</sup> :- ① DISTINCT COUNT, ② COUNT  
③ COUNTA ④ COUNT BLANK ⑤ COUNT

③ Logical :- ① And ② OR ③ NOT ④ IF ⑤ IFEOR

④ Date :- Date, time, weekday, month, year.

② Explain datasets, reports and dashboards.

Sol Reports :- A report is a multi-perspective view into a dataset. with visuals that represent different findings and insights from the dataset.  
→ A report can have single visual page or pages full of visuals.

→ Power BI reports based on a single dataset.

Dashboard :- → A Power BI dashboard is a single page also known as Canvas.

→ It uses visuals to convey narrative.

→ It offers highlight of the data.

→ Since it is confined to one page.



③ How reports can be created in Power BI?  
Explain two ways with navigation of each?

Sol: ① Collect the data :-

→ The first ~~step~~ step after you launch the Power BI application is to gain access to your data.

② → Explore the dashboard :-

→ Display your visualization. There are charts of all types like bar charts, Column charts, Stacked bar charts etc.

③ Choose the right Chart.

④ Save and Publish the dashboard.

④ How to connect data in Power BI? How to use the content pack to connect to Google Analytics?

Sol: → Select get data from home ribbon tab -

→ Select Select Online Services -

→ Select Google Analytics from the selections in the right pane.

→ At the bottom of the window, Select connect.

⑤ How to import local files in Power BI?

Sol: ① Select the Get data option.

② Under Import, connect to Data > Files

③ Click get. Click Local File.

④ Choose which file to upload and click open

⑤ Click Upload, under upload Excel File to Power BI

⑥ The message "Your File has been uploaded" should appear.



Q In Power BI, viz. what are Reading and Editing views?

Ans Power BI has two modes for interacting with reports:-

① Reading view ② Editing view.

Functionality available in Editing view.

- Creating, Editing, renaming, sharing and deleting reports.
- Formatting reports.
- Adding visualization, text boxes.
- Creating custom schedules.
- Sharing data used to create visualization.
- Setting up drill through.
- Duplicating a report page.