## Coding Challenge-4.1 Azure Databricks

Name-Ajay Chaudhary
Batch-Data Engineering(Batch-1)

Exploratory data analysis (EDA) in Databricks & Visualizing data in Databricks

**Exploratory data analysis(EDA)-**EDA is the process of analyzing datasets to summarize their main characteristics, often employing statistical graphics and other data visualization methods. In Databricks, you can perform EDA using Spark SQL, DataFrame API, and various libraries like Pandas, Matplotlib, Seaborn, etc.

**Visualizing data-**Visualizing Data: Databricks provides built-in support for visualizing data using various libraries such as Matplotlib, Seaborn, Plotly, and the built-in visualizations of Databricks notebooks. You can create visualizations directly within your Databricks notebook using these libraries or by utilizing the built-in display capabilities of Databricks.

## Steps to create visualization-

In order to create visualizations, we need to have data.

- After creating a table
- Click on + symbol
- Click on visualization.
- Select the type of visualization, then select Scatter.

## Created a cluster to run the visualization





