# BI Brilliance

## Problem Statement and Dataset

## About the Dataset:

Please download the dataset from this link:-
**Download Link**

This dataset is of a banking company. The details of a few columns of the dataset are explained below:

**RowNumber**-corresponds to the record (row) number
**CustomerId**-contains random values
**Surname**-a customer's surname
**Geography**-a customer's location
**Gender**-Customer's Gender
**Age**-Customer's age
**Tenure**-refers to the number of years that the customer has been a client of the bank.
**Balance**-balance in customer's account
**NumOfProducts**-refers to the number of products that a customer has purchased through the bank.
**HasCrCard**-denotes whether or not a customer has a credit card.
**IsActiveMember**- is the customer active
**EstimatedSalary**-estimated Salary of the Customer
**Exited**-whether or not the customer left the bank.

**Complaint**-customer has a complaint or not.
**Satisfaction Score**-Score provided by the customer for their complaint resolution.
**Card Type**-the type of card held by the customer.
**Points Earned**-the points earned by the customer for using a credit card.

# About the Tasks:

There are a total of three tasks, all of which are compulsory. The primary intention of the Power BI analysis will be to prevent customer churning.

**Task-1**
Using Power Query Editor, add the FEBS- suffix to each of the rows of Customer Id. So now, a general customer Id would look something like FEBS-15634209. Replace 1 by Yes and 0 by No in the 'Exited' and 'Complain' Column.
Create a pdf file with the file name "febsbi_task1" and attach snapshots of your screen.
These changes must be visible in the snapshots.

**Task-2**
i) Create an interactive POWER BI report titled "BI BRILLIANCE BY FEBS", which gives critical insights about the customers, the management of the company will use these insights to make business decisions.
Attach the report in .pbix format with file name "febsbi_report".

ii)Mention the critical inference that you get from the report/dataset and submit it in the form of a pdf with file name "febsbi_task2".

**Task-3**
i)Write a DAX Query that should return a table containing all columns of the dataset but Card Type as "Platinum" only. Write the DAX query in the answer sheet.
ii) In the Power BI Report View section, Create a table with customer id and salaries, write a DAX Query to create a measure that should calculate cumulative salary and add this measure to the table.
Write the DAX query in the answer sheet.
Answer sheet should be in pdf format with file name "febsbi_task3"
Attach the snapshot of the table.

## Submission Guideline-
Add your response to all the tasks in a single zip file.
Submit the file to this Google form by 10 PM:-
**Submission Link:**
[Link](Link)

**Points Allotment:**
Task 2 - 50%, Task 3 - 30%, Task 1 - 20%