In this project, we loaded an Excel table, "Customers," containing essential columns like CustomerId, Surname, CreditScore, Geography, Gender, Age, Tenure, Balance, NumOfProducts, EstimatedSalary, CardType, and Points Earned. We aim to analyze and visualize customer demographics, credit scores, product usage, and rewards earned to gain valuable insights for better business decisions.

**DATA CLEANING**

**To Display the whole table:-**

Use accounts;

SELECT \* FROM Customers;

**Replacing the value 0 with ‘NULL’ in the Balance column:-**

UPDATE customers SET Balance = 'NULL' WHERE Balance = 0;

**Correcting the surname H? To H in the surname column:-**

UPDATE customers SET Surname='H' WHERE RowNumber = 10;

**Checking for duplicates in the surname column:-**

SELECT DISTINCT surname FROM customers;

***There is no further data cleaning required hence we will move to the Data Processing part.***

**DATA ANALYSIS**

**Displaying all the records with Country as Germany and Salary more than 90000:-**

SELECT \* FROM Customers WHERE Geography = 'Germany' AND EstimatedSalary > 90000;

**Displaying Surnames and Types of Card of only Female Gender grouped by types of card ordered by age:-**

SELECT Surname, CardType FROM Customers WHERE Gender = 'Female' GROUP BY CardType ORDER BY Age;

**Showing all the records of customers with their tenure of more than two years Grouped in Age:-**

SELECT \*, COUNT(Tenure) FROM Customers GROUP BY Age HAVING COUNT(Tenure)>2;

**Displaying the records where the earned points are between 400 and 600:-**

SELECT \* FROM Customers WHERE PointEarned BETWEEN 400 AND 600;

***We are done with the Data Analysis therefore we will export the table in Power BI to create a report of all the customer accounts.***