**Summary of Steps Taken:**

1)Importing Data into MySQL: imported the raw data, "bank\_statement.csv" and "AnalyzeBankStatement.xlsx," into separate tables in MySQL.

2)Data Cleaning:

* Changing Column Names: renamed the columns in both the "bank\_statement" and "analyzebankstatement" tables to ensure they have clear and consistent names that make it easy to analyze the data.
* Removing Unwanted Columns: identified and removed unnecessary columns from both tables to simplify the dataset and focus only on the relevant information.

3)Data Transformations:

* Handling Negative Values: converted negative values to their absolute values, ensuring consistent representation for both debit and credit transactions.
* Creating New Columns: created new columns in the final transformed table to hold specific data points, such Transaction Type for identifying whether the transaction is cash or bank in the final dataset.
* Combining Columns: You merged or combined relevant columns to create meaningful insights, such as combining Vendor and category Description.
* Categorizing ATM Transactions: YIdentified that ATM transactions should be treated as cash transactions (credit) in the "bank\_statement" table, and appropriately updated the data to reflect this.

4)Combining Tables: After transforming both tables,appended the data from the "bank\_statement" and "analyzebankstatement" tables into a single table.

5)Importing into Power BI: After completing the data transformations in MySQL, imported the transformed data into Power BI to create a dashboard.

6)Power BI Dashboard: The Power BI dashboard includes the following key metrics and visualizations,

* Income, Expense and Savings: displayed these metrics to provide a clear overview of the cash flow and financial health.Used slicer on date and transactiontype. so we can filter accoring to choice.
* Expense by Month: displayed the expenses categorized by month to identify spending across different months.
* Expense by Description: presented the expenses categorized by description to help understand where the money is being spent.
* ATM transactions by month: to track the frequency of ATM withdrawals over time.