EXCEL AND SQL PROJECT

1. KPIs
2. Total Loan Applications

Select Count(id) as Total\_Loan\_Applications from bank\_Loan



1. MTD Loan Applications

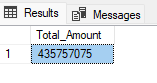
Select Count(id) as MTD\_Total\_Loan\_Applications from bank\_Loan where Month(issue\_date)=12 and year(issue\_date)=2021;



For MOM we have to calculate previous month loan disbursments too.

1. Total Funded Amount

select sum(loan\_amount) as Total\_Amount from bank\_loan;



We have to find it for current month also.

1. Total amount Received

select sum(total\_payment) as Total\_Amount\_Received from bank\_loan;



We have to find it for current month also.

1. Average interest rate

select avg(int\_rate) \*100 as Average\_Interest\_Rate from bank\_loan



We have to find it for the month also.

1. Average Debt to Income Ratio

select round(avg(dti),4) \*100 as Average\_DTI from bank\_loan

DTH should be optimum.

1. Loan Status

select (count(case when loan\_status = 'Fully Paid' or loan\_status = 'Current' then id end )\*100)/count(id) as Good\_loan\_percentage from bank\_loan



1. No of good Loan applications

select count(id) from bank\_loan where loan\_status= 'Fully paid' or loan\_status='Current'



1. Good Loan Funded Amount

select sum(loan\_amount) as Good\_Loan\_Funded\_Amount from bank\_loan where loan\_status= 'Fully paid' or loan\_status='Current'



1. Good Loan Received Amount

select sum(total\_payment) as Good\_Loan\_Received\_Amount from bank\_loan where loan\_status= 'Fully paid' or loan\_status='Current'



1. Bad Loan Percentage

select (count(case when loan\_status = ‘Charged Off’ then id end )\*100)/count(id) as Bad\_loan\_percentage from bank\_loan



1. Number of Bad Loan Applications

select count(id) as Bad\_Loan\_appliactions from bank\_loan where loan\_status='Charged Off' ;



1. Bad Loan Funded Amount

select sum(loan\_amount) as Bad\_Loan\_Funded\_Amount from bank\_loan where loan\_status='Charged Off' ;



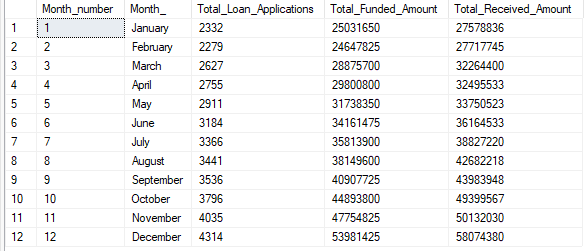
1. Bad Loan Received Amount

select sum(total\_payment) as Bad\_Loan\_Received\_Amount from bank\_loan where loan\_status='Charged Off' ;



1. Summary

select month(issue\_date) as Month\_number, datename(month, issue\_date) as Month\_, count(id) as Total\_Loan\_Applications, sum(loan\_amount) as Total\_Funded\_Amount, sum(total\_payment) as Total\_Received\_Amount from bank\_loan group by month(issue\_date), datename(month, issue\_date) order by month(issue\_date);



1. Summary

select address\_state, count(id) as Total\_Loan\_Applications, sum(loan\_amount) as Total\_Funded\_Amount, sum(total\_payment) as Total\_Received\_Amount

from bank\_loan group by address\_state order by address\_state;

1. Term Summary

select term, count(id) as Total\_Loan\_Applications, sum(loan\_amount) as Total\_Funded\_Amount, sum(total\_payment) as Total\_Received\_Amount

from bank\_loan group by term order by term;

1. Summary employee tenure

select emp\_length, count(id) as Total\_Loan\_Applications, sum(loan\_amount) as Total\_Funded\_Amount, sum(total\_payment) as Total\_Received\_Amount

from bank\_loan group by emp\_length order by emp\_length;

1. Summary Purpose

select purpose, count(id) as Total\_Loan\_Applications, sum(loan\_amount) as Total\_Funded\_Amount, sum(total\_payment) as Total\_Received\_Amount

from bank\_loan group by purpose order by purpose;

1. Summary Home Owner Ship

select home\_ownership, count(id) as Total\_Loan\_Applications, sum(loan\_amount) as Total\_Funded\_Amount, sum(total\_payment) as Total\_Received\_Amount

from bank\_loan group by home\_ownership order by home\_ownership;