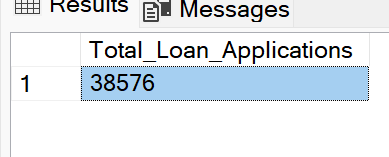
Bank Loan Query Doc

1. BANK LOAN REPORT | SUMMARY

KPI’S

**Total Loan Applications**

Select count(id) as Total\_Loan\_Applications

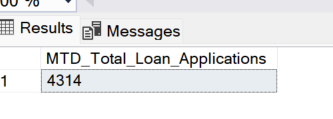
from bank\_loan\_data;

**MTD Loan Applications**

Select count(id) as MTD\_Total\_Loan\_Applications

from bank\_loan\_data

where month(issue\_date) = 12 and year(issue\_date) = 2021;

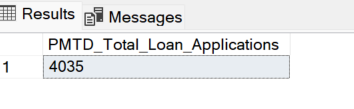


**MTM Loan Applications**

Select count(id) as PMTD\_Total\_Loan\_Applications

from bank\_loan\_data

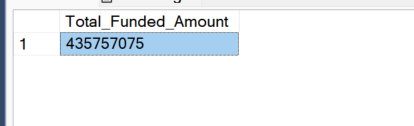
where month(issue\_date) = 11 and year(issue\_date) = 2021;



**--Total Funded Amount**

Select sum(loan\_amount) as Total\_Funded\_Amount

from bank\_loan\_data;

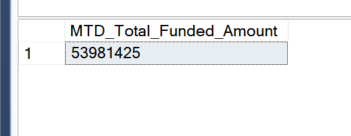


-- **Total Funded Amount ( MOD)**

Select sum(loan\_amount) as MTD\_Total\_Funded\_Amount

from bank\_loan\_data

where month(issue\_date) = 12 and year(issue\_date) = 2021;

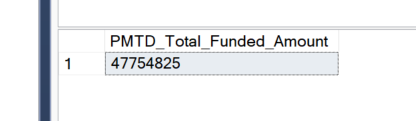


-- **Total Funded Amount ( PMTD)**

Select sum(loan\_amount) as PMTD\_Total\_Funded\_Amount

from bank\_loan\_data

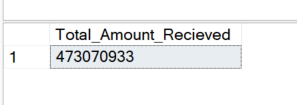
where month(issue\_date) = 11 and year(issue\_date) = 2021;



-- **Total Amount Recieved**

Select sum(total\_payment) as Total\_Amount\_Recieved

from bank\_loan\_data;

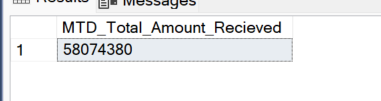


-- Total Amount Recieved (MTD)

Select sum(total\_payment) as MTD\_Total\_Amount\_Recieved

from bank\_loan\_data

WHERE MONTH(issue\_date) = 12 and year(issue\_date) = 2021;

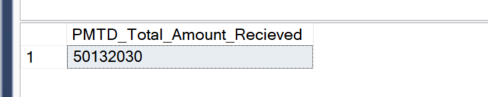


-- Total Amount Recieved (PMTD)

Select sum(total\_payment) as PMTD\_Total\_Amount\_Recieved

from bank\_loan\_data

WHERE MONTH(issue\_date) = 11 and year(issue\_date) = 2021;



-- Average Interest Rate

USE BankLoanDB;

SELECT ROUND(AVG(int\_rate),2) \* 100 as Avg\_Interest\_Rate

from bank\_loan\_data;

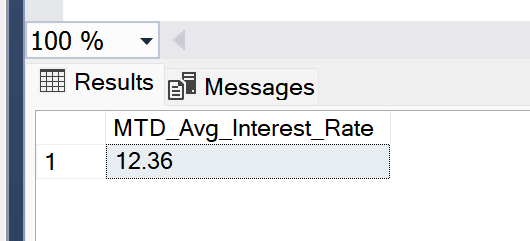


-- MTD Average Interest Rate

SELECT ROUND(AVG(int\_rate),4) \* 100 as MTD\_Avg\_Interest\_Rate

from bank\_loan\_data

WHERE MONTH(issue\_date) = 12 AND YEAR(issue\_date) = 2021;

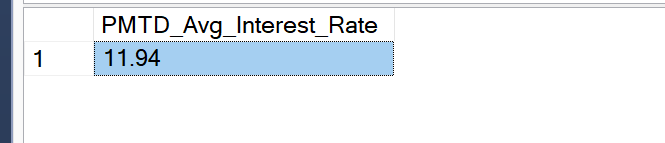


-- PMTD Average Interest Rate

SELECT ROUND(AVG(int\_rate),4) \* 100 as PMTD\_Avg\_Interest\_Rate

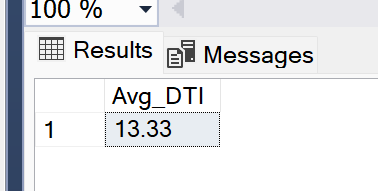
from bank\_loan\_data

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021;



-- Average DTI

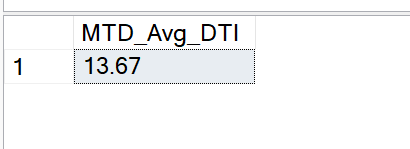
SELECT ROUND(AVG(dti),4) \* 100 As Avg\_DTI from bank\_loan\_data



-- MTD Average DTI

SELECT ROUND(AVG(dti),4) \* 100 As MTD\_Avg\_DTI from bank\_loan\_data

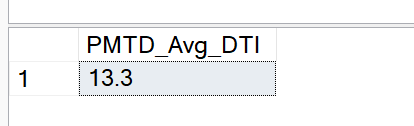
WHERE MONTH(issue\_date) = 12 and year (issue\_date) = 2021;



--PMTD Average DTI

SELECT ROUND(AVG(dti),4) \* 100 As PMTD\_Avg\_DTI from bank\_loan\_data

WHERE MONTH(issue\_date) = 11 and year (issue\_date) = 2021;



-- GOOD LOAN PERCENTAGE

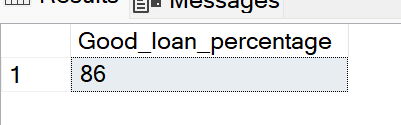
SELECT

(COUNT( case when loan\_status ='Fully Paid' or loan\_status = 'Current' then id END)\* 100)

/

count(id) as Good\_loan\_percentage

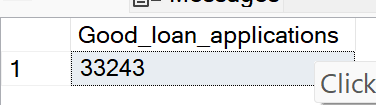
from bank\_loan\_data;



-- GOOD LOAN APPLICATIONS

SELECT COUNT(id) FROM bank\_loan\_data as Good\_loan\_applications

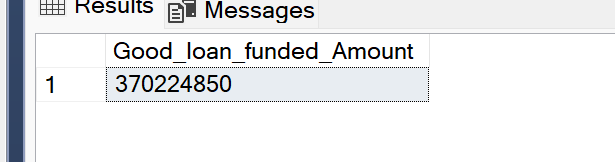
where loan\_status ='Fully Paid' or loan\_status = 'Current';



-- Good Loan Funded AMOUNT

SELECT SUM(loan\_amount) as Good\_loan\_funded\_Amount FROM bank\_loan\_data

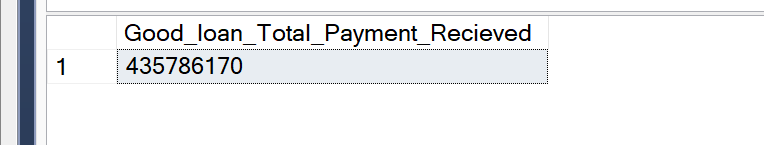
where loan\_status ='Fully Paid' or loan\_status = 'Current';



--Good Loan Payment Recieved

SELECT SUM(total\_payment) as Good\_loan\_Total\_Payment\_Recieved FROM bank\_loan\_data

where loan\_status ='Fully Paid' or loan\_status = 'Current';



-- BAD LOAN PERCENTAGE

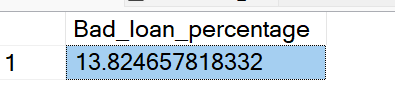
SELECT

(COUNT( case when loan\_status = 'Charged off' then id END)\* 100)

/

count(id) as Bad\_loan\_percentage

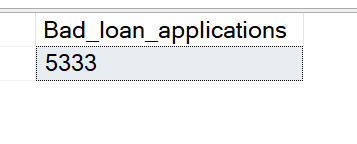
from bank\_loan\_data;



-- BAD LOAN APPLICATIONS

SELECT COUNT(id) FROM bank\_loan\_data as Bad\_loan\_applications

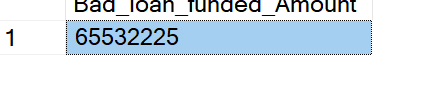
where loan\_status ='Charged off';



-- Bad Loan Funded AMOUNT

SELECT SUM(loan\_amount) as Bad\_loan\_funded\_Amount FROM bank\_loan\_data

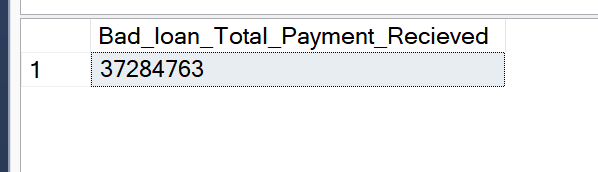
where loan\_status ='Charged off'



--Bad Loan Payment Recieved

SELECT SUM(total\_payment) as Bad\_loan\_Total\_Payment\_Recieved FROM bank\_loan\_data

where loan\_status ='Charged off';

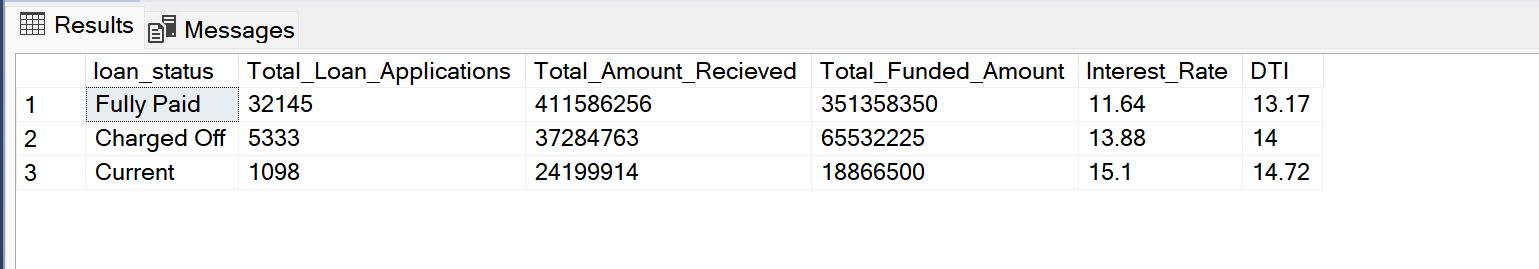


-- Loan Status

Select loan\_status, count(id) as Total\_Loan\_Applications , sum(total\_payment) as Total\_Amount\_Recieved, sum(loan\_amount) as Total\_Funded\_Amount, round(avg(int\_rate \*100),2) as Interest\_Rate, round(avg( dti \* 100),2) as DTI

from bank\_loan\_data

group by loan\_status;



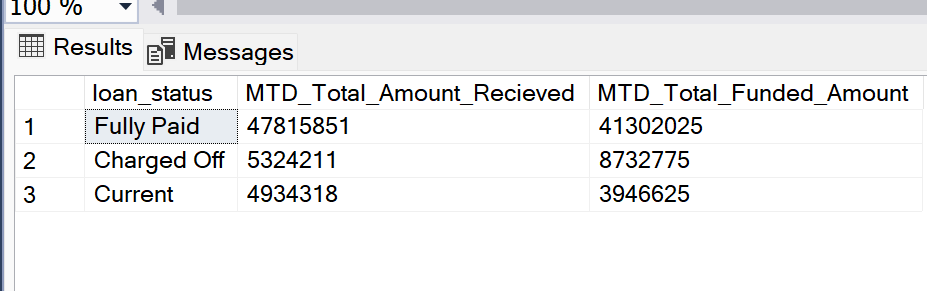
-- Loan Status - MTD

Select loan\_status , sum(total\_payment) as MTD\_Total\_Amount\_Recieved, sum(loan\_amount) as MTD\_Total\_Funded\_Amount

from bank\_loan\_data

WHERE MONTH(issue\_date) = 12

group by loan\_status;



-- 2nd Dashboard

SELECT

MONTH(issue\_date) as Month\_Num,

DATENAME ( MONTH, issue\_date) as Month\_Name,

COUNT(id) as Total\_Loan\_Applications,

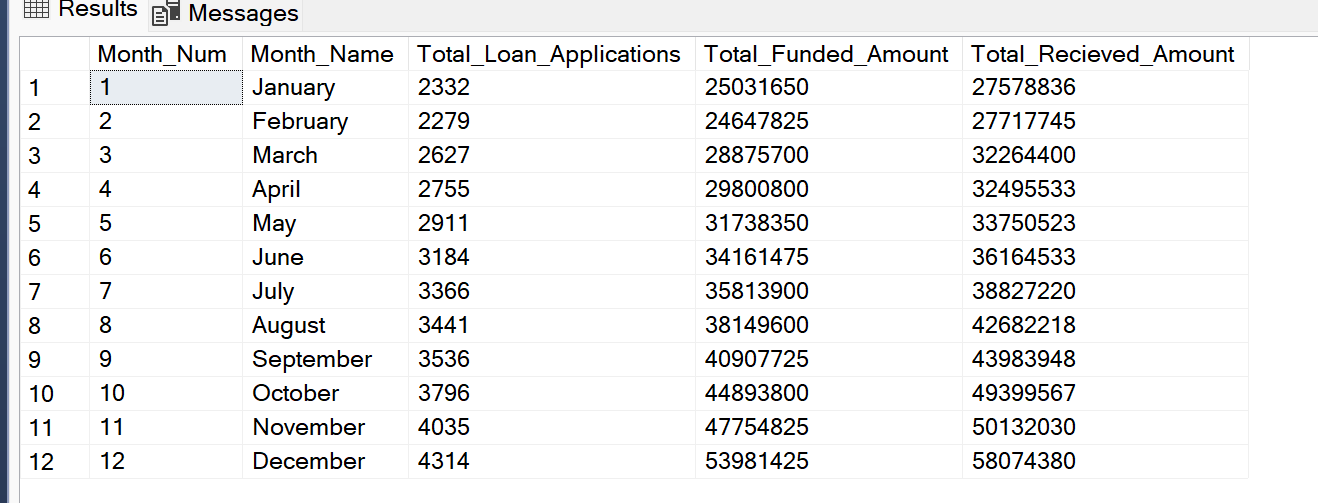
SUM(loan\_amount) AS Total\_Funded\_Amount ,

SUM(total\_payment) AS Total\_Recieved\_Amount

from bank\_loan\_data

Group by MONTH(issue\_date),DATENAME ( MONTH, issue\_date)

order by MONTH(issue\_date) ;



-- Region

SELECT

address\_state,

COUNT(id) as Total\_Loan\_Applications,

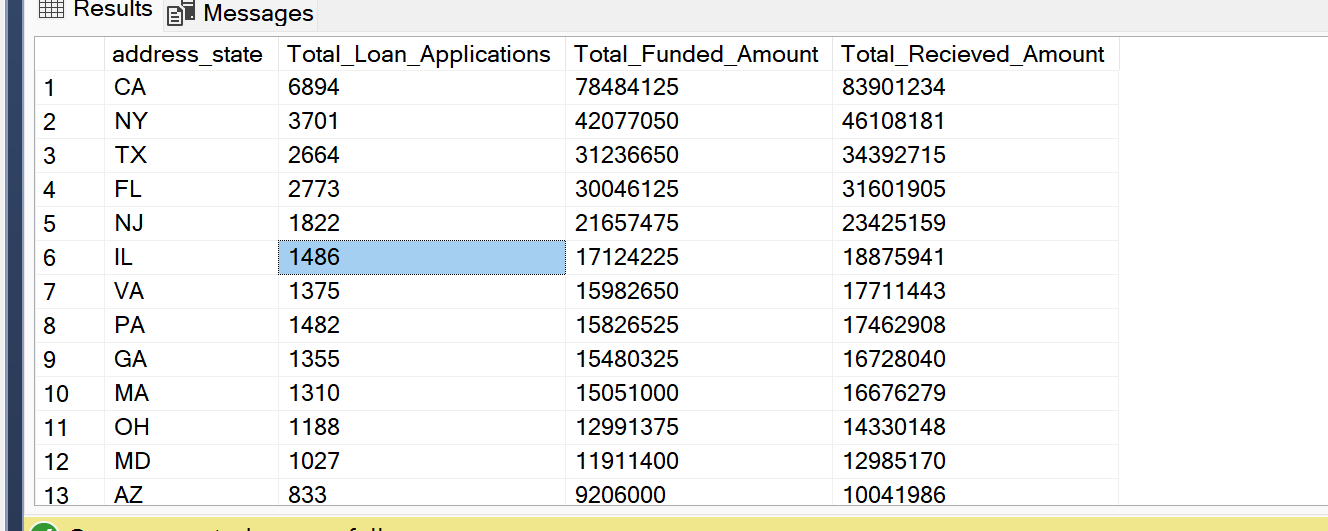
SUM(loan\_amount) AS Total\_Funded\_Amount ,

SUM(total\_payment) AS Total\_Recieved\_Amount

from bank\_loan\_data

Group by address\_state

order by SUM(loan\_amount) desc;



-- Term

SELECT

term,

COUNT(id) as Total\_Loan\_Applications,

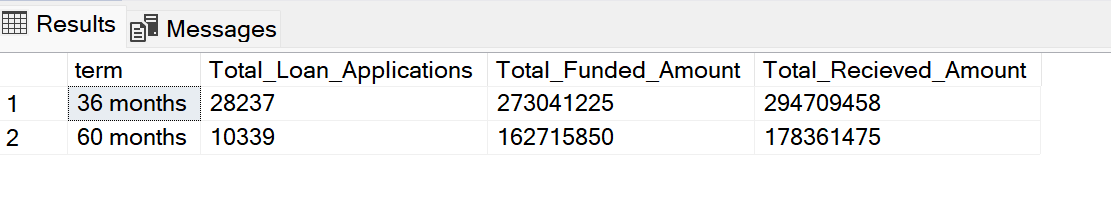
SUM(loan\_amount) AS Total\_Funded\_Amount ,

SUM(total\_payment) AS Total\_Recieved\_Amount

from bank\_loan\_data

Group by term

order by term;



-- Employee-Length

SELECT

emp\_length,

COUNT(id) as Total\_Loan\_Applications,

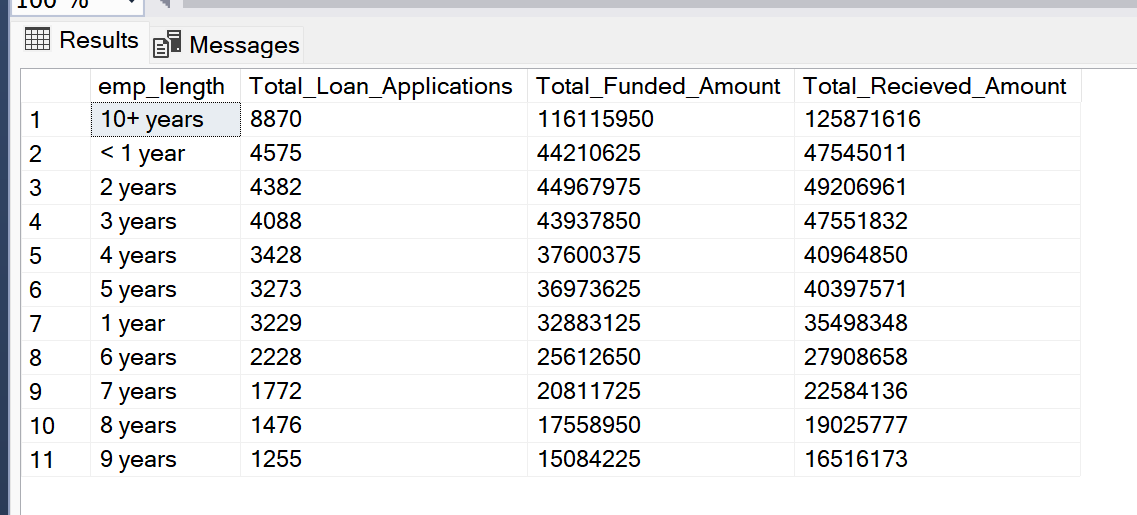
SUM(loan\_amount) AS Total\_Funded\_Amount ,

SUM(total\_payment) AS Total\_Recieved\_Amount

from bank\_loan\_data

Group by emp\_length

order by count(id)desc;



-- Purpose

SELECT

purpose,

COUNT(id) as Total\_Loan\_Applications,

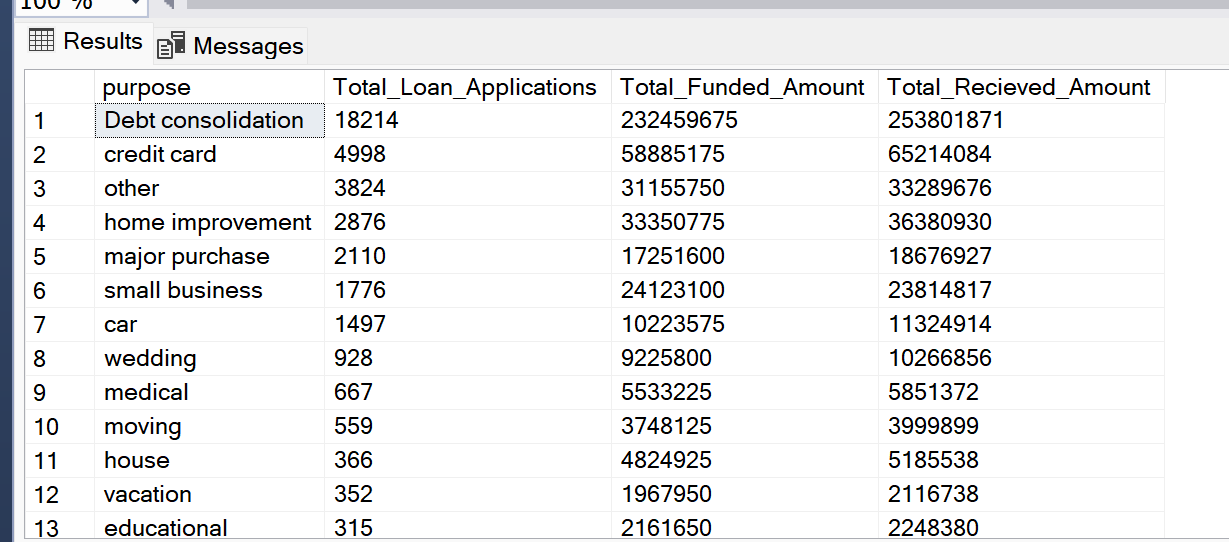
SUM(loan\_amount) AS Total\_Funded\_Amount ,

SUM(total\_payment) AS Total\_Recieved\_Amount

from bank\_loan\_data

Group by purpose

order by count(id)desc;



-- Home Ownership

SELECT

home\_ownership,

COUNT(id) as Total\_Loan\_Applications,

SUM(loan\_amount) AS Total\_Funded\_Amount ,

SUM(total\_payment) AS Total\_Recieved\_Amount

from bank\_loan\_data

Group by home\_ownership

order by count(id)desc;

