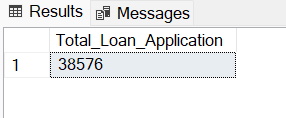
**KPI’s**

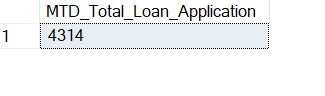
**Total\_Loan\_application**

select count(id) as Total\_Loan\_Application from bank\_loan\_data



**MTD Loan Applications**

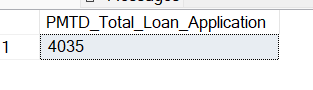
select count(id) as MTD\_Total\_Loan\_Application from bank\_loan\_data where MONTH(issue\_date)=12 And YEAR(issue\_date)=2021



**PMTD Loan Applications**

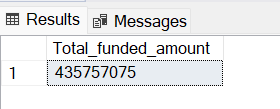
select count(id) as PMTD\_Total\_Loan\_Application from bank\_loan\_data

where MONTH(issue\_date)=11 And YEAR(issue\_date)=2021



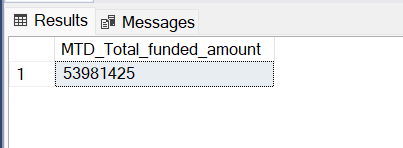
**Total Funded Amount**

select sum(loan\_amount) as Total\_funded\_amount from bank\_loan\_data



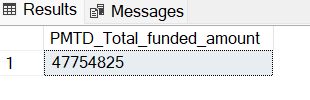
**MTD Total Funded Amount**

select sum(loan\_amount) as MTD\_Total\_funded\_amount from bank\_loan\_data where MONTH(issue\_date)=12 And YEAR(issue\_date)=2021



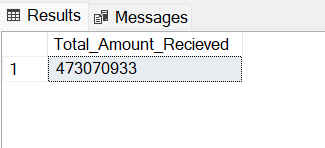
**PMTD Total Funded Amount**

select sum(loan\_amount) as PMTD\_Total\_funded\_amount from bank\_loan\_data where MONTH(issue\_date)=11 And YEAR(issue\_date)=2021



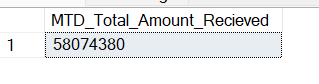
**Total Amount Received**

Select sum(total\_payment) as Total\_Amount\_Recieved from bank\_loan\_data



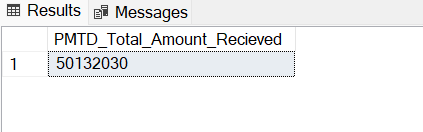
**MTD Total Amount Received**

Select sum(total\_payment) as MTD\_Total\_Amount\_Recieved from bank\_loan\_data where MONTH(issue\_date)=12 And YEAR(issue\_date)=2021



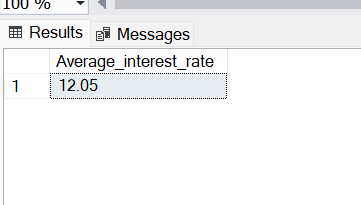
**PMTD Total Amount Received**

Select sum(total\_payment) as PMTD\_Total\_Amount\_Recieved from bank\_loan\_data where MONTH(issue\_date)=11 And YEAR(issue\_date)=2021



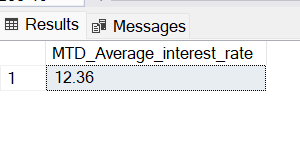
**Average Interest Rate**

select round(AVG(int\_rate)\* 100,2) Average\_interest\_rate from bank\_loan\_data



**MTD Average Interest**

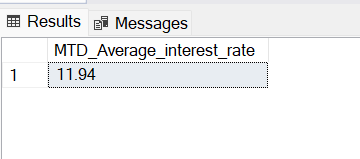
select round(AVG(int\_rate)\* 100,2) MTD\_Average\_interest\_rate from bank\_loan\_data where MONTH(issue\_date)=12 And YEAR(issue\_date)=2021



**PMTD Average Interest**

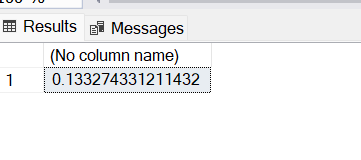
select round(AVG(int\_rate)\* 100,2) MTD\_Average\_interest\_rate from bank\_loan\_data

where MONTH(issue\_date)=11 And YEAR(issue\_date)=2021



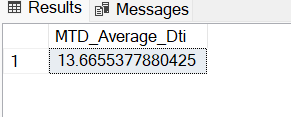
**Avg DTI**

select AVG(dti) as Average\_Dti from bank\_loan\_data



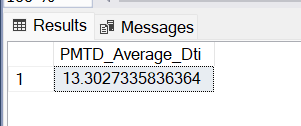
**MTD Avg DTI**

select AVG(dti) \* 100 MTD\_Average\_Dti from bank\_loan\_data where MONTH(issue\_date)=12 And YEAR(issue\_date)=2021



**PMTD Avg DTI**

select AVG(dti) \* 100 PMTD\_Average\_Dti from bank\_loan\_data where MONTH(issue\_date)=11 And YEAR(issue\_date)=2021

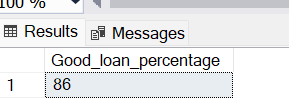


**GOOD LOAN ISSUED**

**Good Loan Percentage**

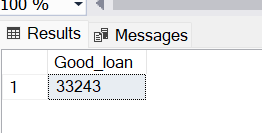
select (count(case when loan\_status='Fully Paid' or loan\_status='Current' then id end)\* 100)/count(id) as Good\_loan\_percentage

from bank\_loan\_data



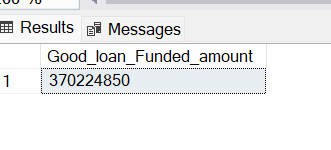
**Good Loan Applications**

select count(id) as Good\_loan from bank\_loan\_data where loan\_status='Fully Paid' or loan\_status='Current'



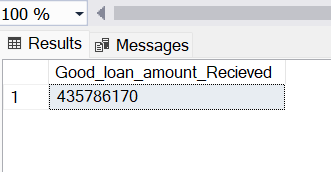
**Good Loan Funded Amount**

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



**Good Loan Amount Received**

select sum(total\_payment) as Good\_loan\_amount\_Recieved from bank\_loan\_data where loan\_status='Fully Paid' or loan\_status='Current'

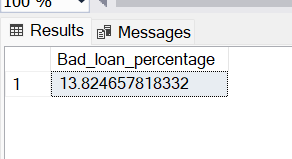


**BAD LOAN ISSUED**

**Bad Loan Percentage**

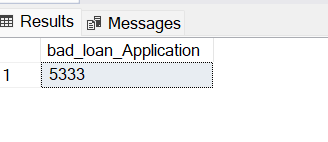
select (count(case when loan\_status='Charged Off' then id end)\* 100.0)/count(id) as Bad\_loan\_percentage

from bank\_loan\_data



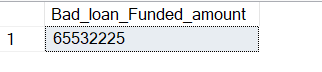
**Bad Loan Applications**

select count(id) as bad\_loan\_Application from bank\_loan\_data where loan\_status='Charged Off'



**Bad Loan Funded Amount**

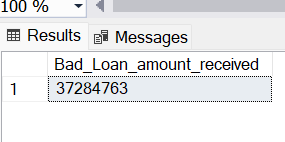
select sum(loan\_amount) as Bad\_loan\_Funded\_amount from bank\_loan\_data where loan\_status='Charged Off'



**Bad Loan Amount Received**

SELECT SUM(total\_payment) AS Bad\_Loan\_amount\_received FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off'

****

**LOAN STATUS**

SELECT

loan\_status,

COUNT(id) AS LoanCount,

SUM(total\_payment) AS Total\_Amount\_Received,

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

AVG(int\_rate \* 100) AS Interest\_Rate,

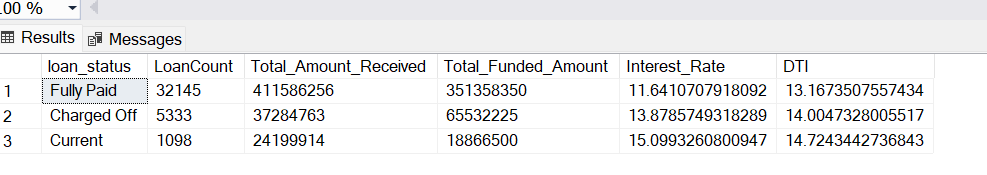
AVG(dti \* 100) AS DTI

FROM

bank\_loan\_data

GROUP BY

loan\_status



SELECT

loan\_status,

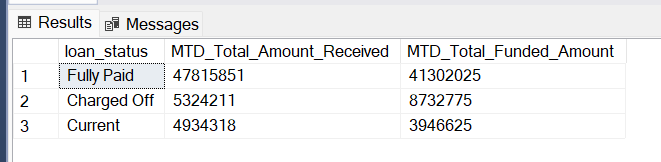
SUM(total\_payment) AS MTD\_Total\_Amount\_Received,

SUM(loan\_amount) AS MTD\_Total\_Funded\_Amount

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12

GROUP BY loan\_status



**B. BANK LOAN REPORT | OVERVIEW**

**MONTH**

SELECT

MONTH(issue\_date) AS Month\_Munber,

DATENAME(MONTH, issue\_date) AS Month\_name,

COUNT(id) AS Total\_Loan\_Applications,

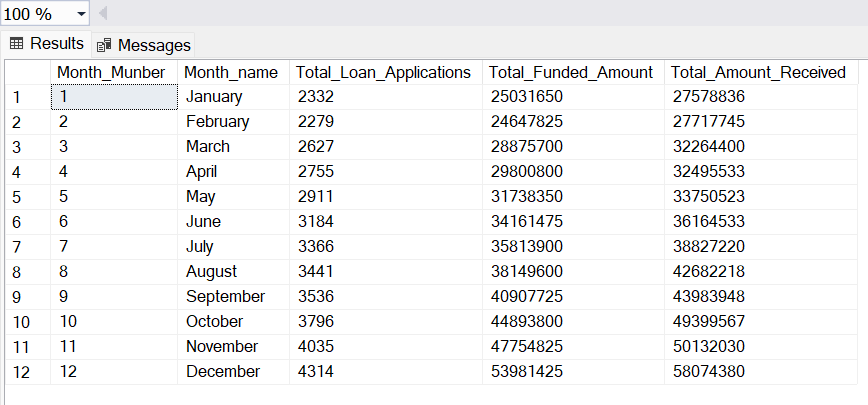
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY MONTH(issue\_date), DATENAME(MONTH, issue\_date)

ORDER BY MONTH(issue\_date)



**STATE**

SELECT

address\_state AS State,

COUNT(id) AS Total\_Loan\_Applications,

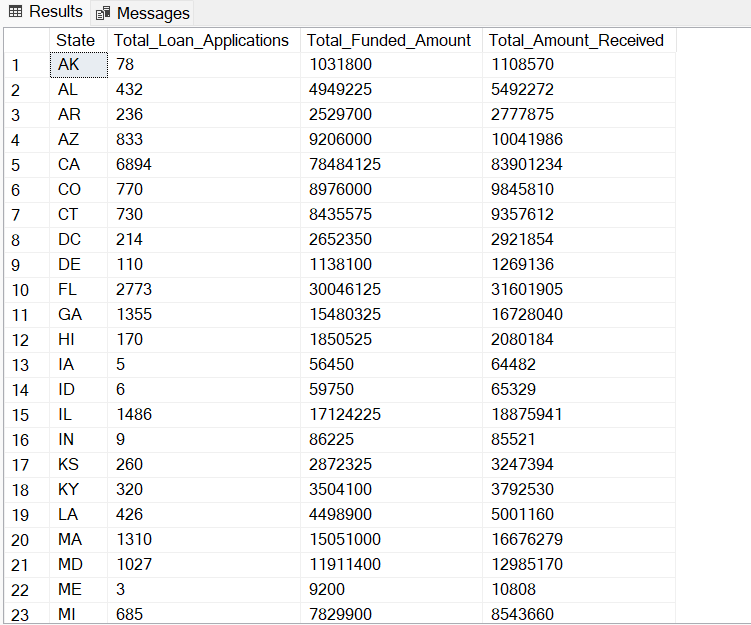
SUM(loan\_amount) AS Total\_Funded\_Amount,

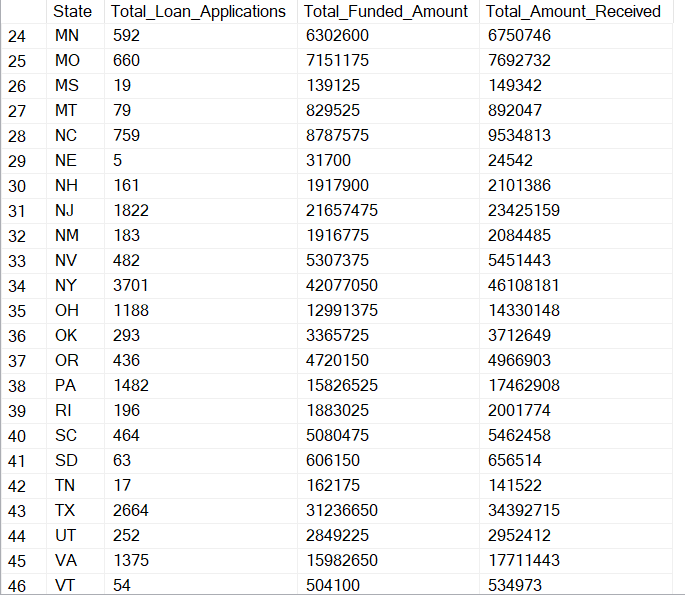
SUM(total\_payment) AS Total\_Amount\_Received

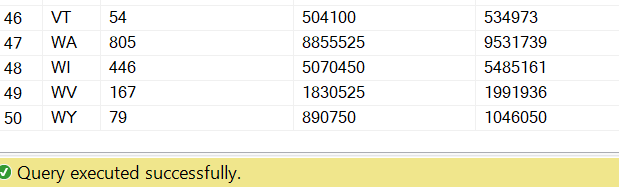
FROM bank\_loan\_data

GROUP BY address\_state

ORDER BY address\_state







**TERM**

SELECT

term AS Term,

COUNT(id) AS Total\_Loan\_Applications,

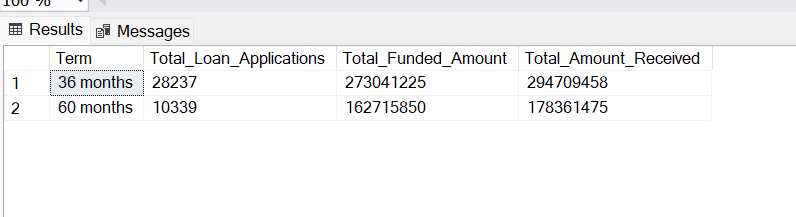
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY term

ORDER BY term



**EMPLOYEE LENGTH**

SELECT

emp\_length AS Employee\_Length,

COUNT(id) AS Total\_Loan\_Applications,

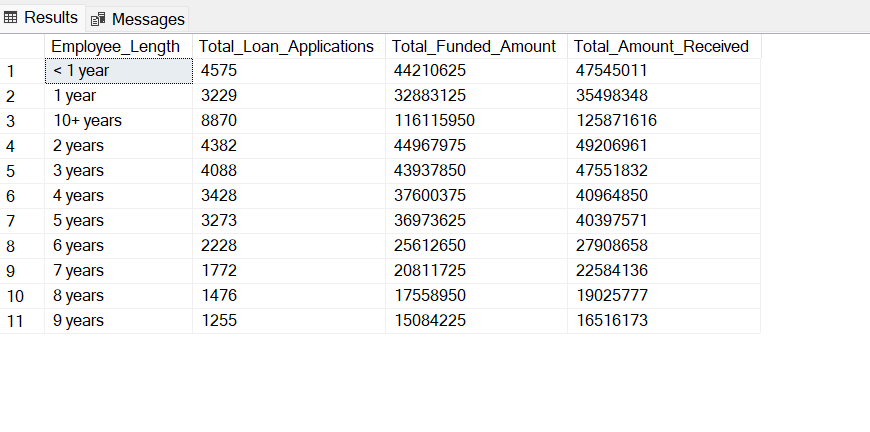
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY emp\_length

ORDER BY emp\_length



**PURPOSE**

SELECT

purpose AS PURPOSE,

COUNT(id) AS Total\_Loan\_Applications,

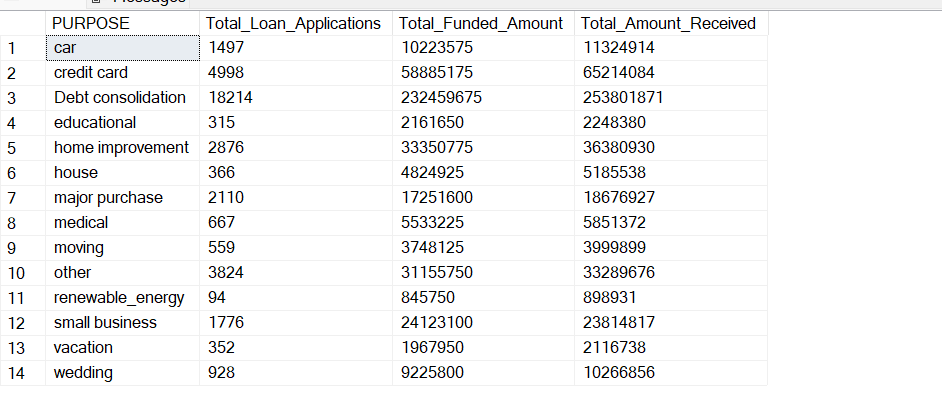
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY purpose

ORDER BY purpose



**HOME OWNERSHIP**

SELECT

home\_ownership AS Home\_Ownership,

COUNT(id) AS Total\_Loan\_Applications,

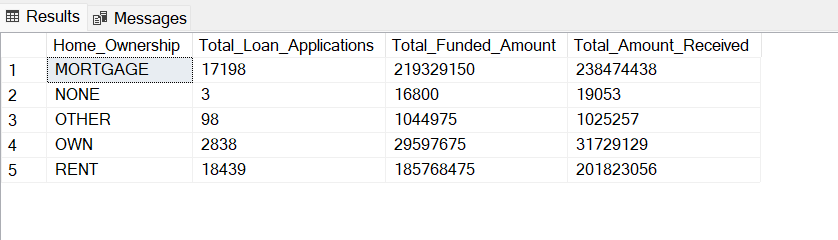
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY home\_ownership

ORDER BY home\_ownership



*Note: We have applied multiple Filters on all the dashboards. You can check the results for the filters as well by modifying the query and comparing the results.*

*For e.g*

*See the results when we hit the Grade A in the filters for dashboards.*

*SELECT*

*purpose AS PURPOSE,*

*COUNT(id) AS Total\_Loan\_Applications,*

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

*SUM(total\_payment) AS Total\_Amount\_Received*

*FROM bank\_loan\_data*

*WHERE grade = 'A'*

*GROUP BY purpose*

*ORDER BY purpose*

