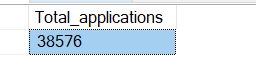
select \* from Loan\_data;

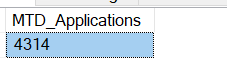
SELECT COUNT(id)as Total\_applications from Loan\_data;



#MONTH TO DATE APPLLICATIONS

SELECT COUNT(id)as MTD\_Applications from Loan\_data

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



#Previous\_MTD\_Applications

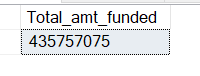
SELECT COUNT(id)as MTD\_Applications from Loan\_data

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



#Total funded amount

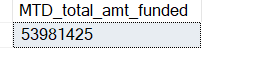
Select SUM(loan\_amount) as total\_amt\_funded from Loan\_data;



# MTD total funded amount

Select SUM(loan\_amount) as MTD\_total\_amt\_funded from Loan\_data

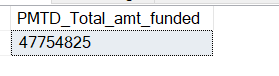
WHERE MONTH(issue\_date)=12 AND YEAR(issue\_date)=2021;



#Previous MTD Total funded amount

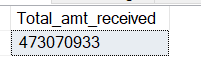
Select SUM(loan\_amount) as PMTD\_Total\_amt\_funded from Loan\_data

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



#Total amount received

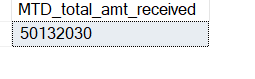
select SUM(total\_payment) as Total\_amt\_received FROM Loan\_data;



#MTD Total amount received

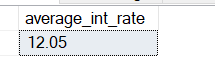
SELECT SUM(total\_payment) as MTD\_total\_amt\_received FROM Loan\_data

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



#Average interest rate

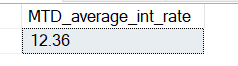
select ROUND(AVG(int\_rate),4)\*100 as average\_int\_rate from Loan\_data;



#MTD average interest rate

select ROUND(AVG(int\_rate),4)\*100 as MTD\_average\_int\_rate from Loan\_data

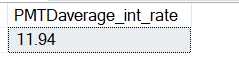
WHERE MONTH(issue\_date)=12 AND YEAR(issue\_date)=2021;



#PMTD average interest rate

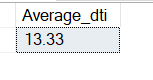
select ROUND(AVG(int\_rate),4)\*100 as PMTDaverage\_int\_rate from Loan\_data

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



#average dti

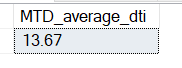
select ROUND(AVG(dti),4)\*100 as Average\_dti from Loan\_data;



#MTDaverage dti

select ROUND(AVG(dti),4)\*100 as MTDaverage\_dti from Loan\_data

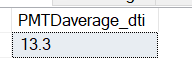
WHERE MONTH(issue\_date)=12 AND YEAR(issue\_date)=2021;



#PMTDaverage dti

select ROUND(AVG(dti),4)\*100 as PMTDaverage\_dti from Loan\_data

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

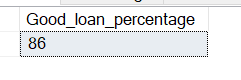


#Good\_loan\_percentage

SELECT

(COUNT(CASE WHEN loan\_status = 'Fully paid' OR loan\_status = 'Current' THEN id END))\*100/

COUNT(id) AS Good\_loan\_percentage from Loan\_data;



#Good\_loan applications

select COUNT(id) as good\_loan\_applications from Loan\_data

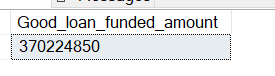
where loan\_status='fully paid' OR loan\_status ='Current';



#Good loan funded amount

select SUM(loan\_amount)as good\_loan\_funded\_amount from Loan\_data

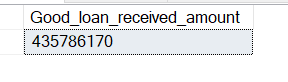
WHERE loan\_status = 'Fully paid' OR loan\_status ='Current';



#Good loan received amount

select SUM(total\_payment)as good\_loan\_received\_amount from Loan\_data

WHERE loan\_status = 'Fully paid' OR loan\_status = 'Current';



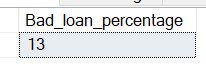
Bad loan

#Badloan applications percentage

select

(COUNT(case when loan\_status ='Charged Off' THEN id END))\*100/

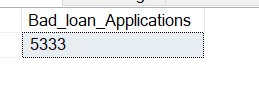
COUNT(id) as bad\_loan\_percentage from Loan\_data;



#Bad Loan Applications

select COUNT(id) AS Bad\_loan\_Applications from Loan\_data

WHERE loan\_status='Charged Off';



#Bad Loan funded amount

select SUM(loan\_amount)as Bad\_loan\_funded from Loan\_data

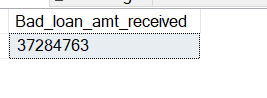
WHERE loan\_status='Charged Off';



#Bad Loan amount received

select SUM(total\_payment) as Bad\_loan\_amt\_received from Loan\_data

WHERE loan\_status='Charged Off';



#Analysis by Loan status

select

loan\_status,

COUNT(id)as total\_applications,

sum(loan\_amount)as total\_amt\_funded,

sum(total\_payment) as total\_amt\_received,

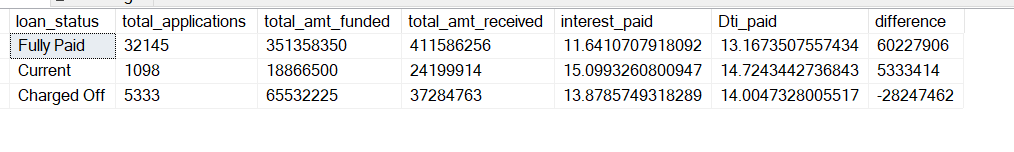
AVG(int\_rate\*100)as interest\_paid,

AVG(dti\*100) as Dti\_paid,

sum(total\_payment)-sum(loan\_amount) as difference

from loan\_data

group by loan\_status;



#MTD Analysis by Loan status

Select loan\_status,

COUNT(id)as mtdtotal\_applications,

sum(loan\_amount)as mtdtotal\_amt\_funded,

sum(total\_payment) as mtdtotal\_amt\_received,

AVG(int\_rate\*100)as mtdinterest\_paid,

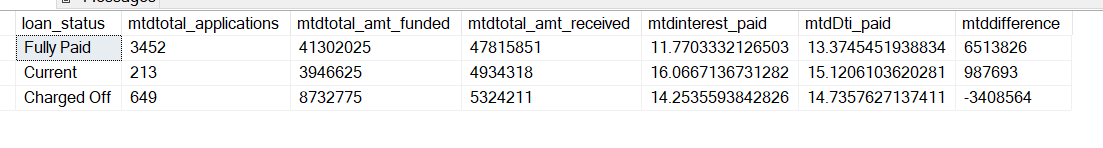
AVG(dti\*100) as mtdDti\_paid,

sum(total\_payment)-sum(loan\_amount) as mtddifference

from loan\_data

where MONTH(issue\_date)=12

group by loan\_status;



select

MONTH(issue\_date),

DATENAME(MONTH,issue\_date),

COUNT(id)as mtdtotal\_applications,

sum(loan\_amount)as mtdtotal\_amt\_funded,

sum(total\_payment) as mtdtotal\_amt\_received,

AVG(int\_rate\*100)as mtdinterest\_paid,

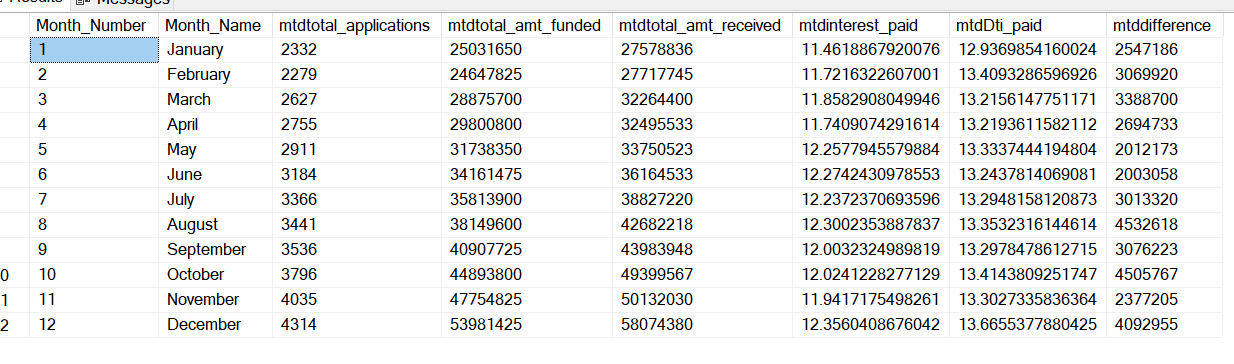
AVG(dti\*100) as mtdDti\_paid,

sum(total\_payment)-sum(loan\_amount) as mtddifference

from loan\_data

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

ORDER BY MONTH(issue\_date);



**Regional analysis by state**

select address\_state,

COUNT(id)as mtdtotal\_applications,

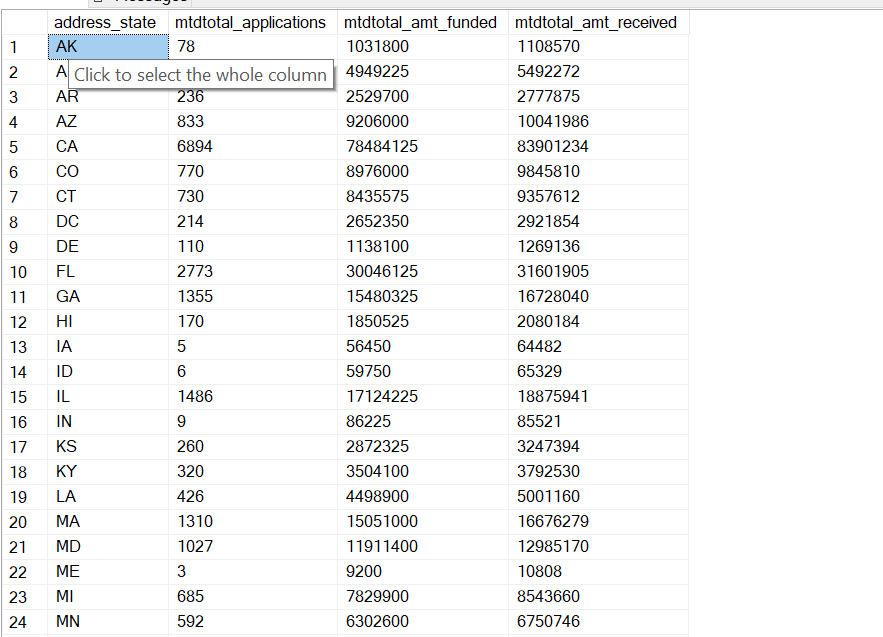
sum(loan\_amount)as mtdtotal\_amt\_funded,

sum(total\_payment) as mtdtotal\_amt\_received

from loan\_data

group by address\_state

ORDER BY address\_state



select address\_state,

COUNT(id)as mtdtotal\_applications,

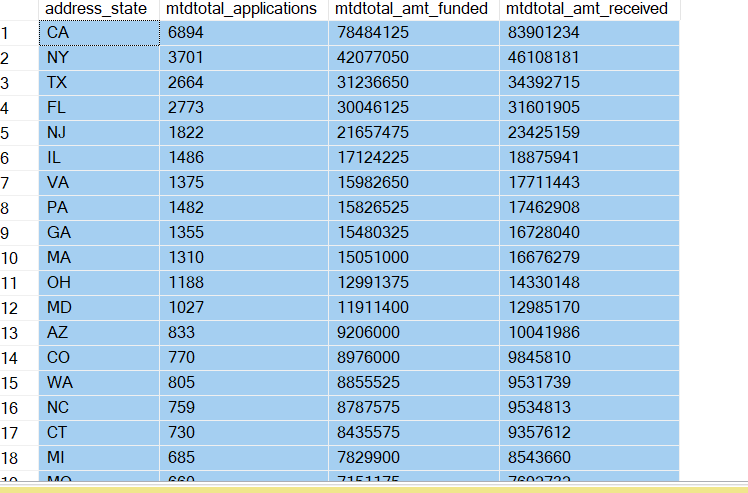
sum(loan\_amount)as mtdtotal\_amt\_funded,

sum(total\_payment) as mtdtotal\_amt\_received

from loan\_data

group by address\_state

ORDER BY sum(loan\_amount) desc



select term,

COUNT(id)as mtdtotal\_applications,

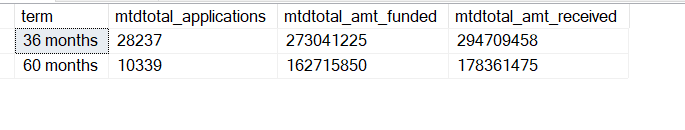
sum(loan\_amount)as mtdtotal\_amt\_funded,

sum(total\_payment) as mtdtotal\_amt\_received

from loan\_data

group by term

ORDER BY term



Analysis by employee length

select emp\_length,

COUNT(id)as mtdtotal\_applications,

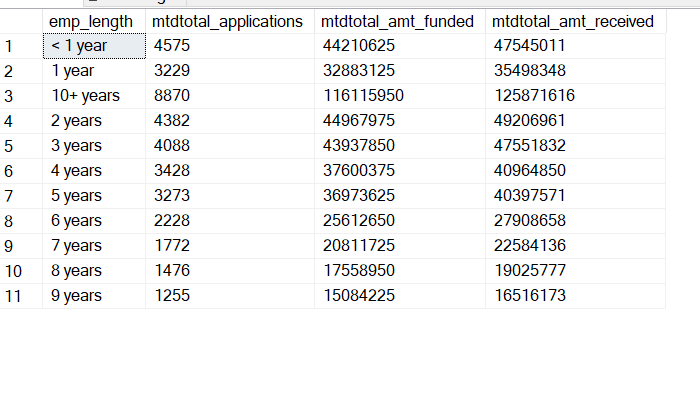
sum(loan\_amount)as mtdtotal\_amt\_funded,

sum(total\_payment) as mtdtotal\_amt\_received

from loan\_data

group by emp\_length

ORDER BY emp\_length



Analysis by purpose

select purpose,

COUNT(id)as mtdtotal\_applications,

sum(loan\_amount)as mtdtotal\_amt\_funded,

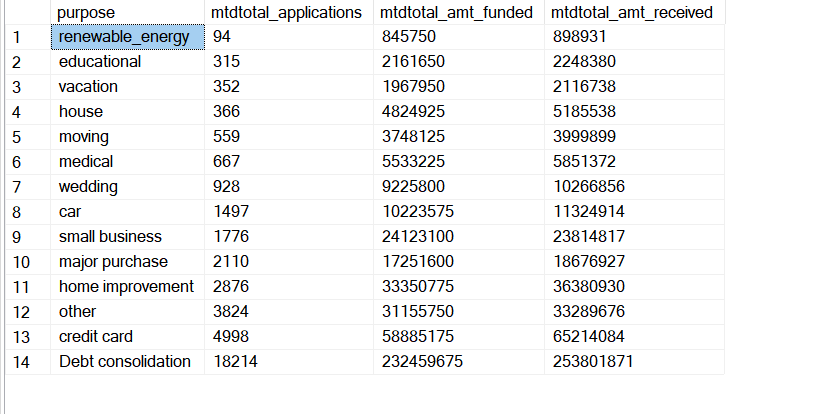
sum(total\_payment) as mtdtotal\_amt\_received

from loan\_data

group by purpose

ORDER BY COUNT(id)

Analysis by PURPOSE



select purpose,

COUNT(id)as mtdtotal\_applications,

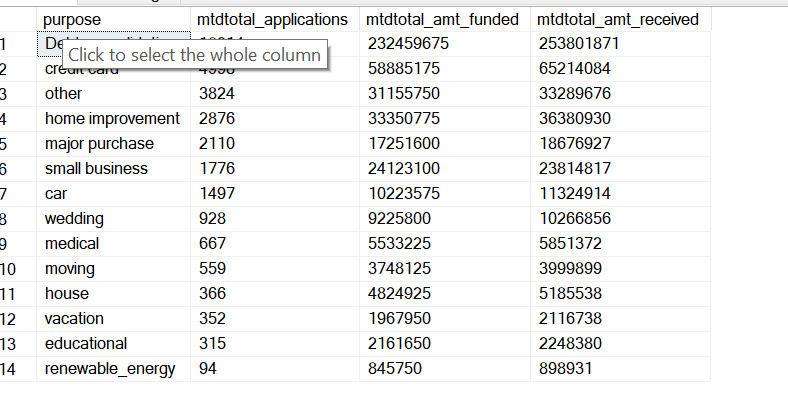
sum(loan\_amount)as mtdtotal\_amt\_funded,

sum(total\_payment) as mtdtotal\_amt\_received

from loan\_data

group by purpose

ORDER BY COUNT(id)desc



**ANALYSIS BY HOME OWNERSHIP**

select home\_ownership,

COUNT(id)as mtdtotal\_applications,

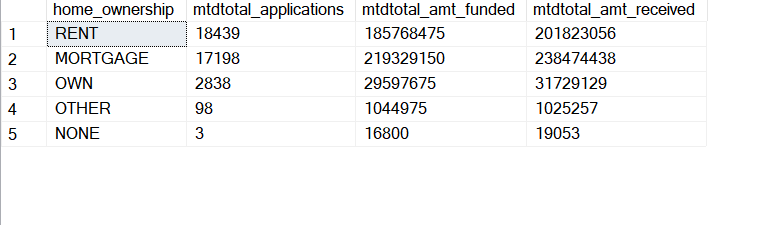
sum(loan\_amount)as mtdtotal\_amt\_funded,

sum(total\_payment) as mtdtotal\_amt\_received

from loan\_data

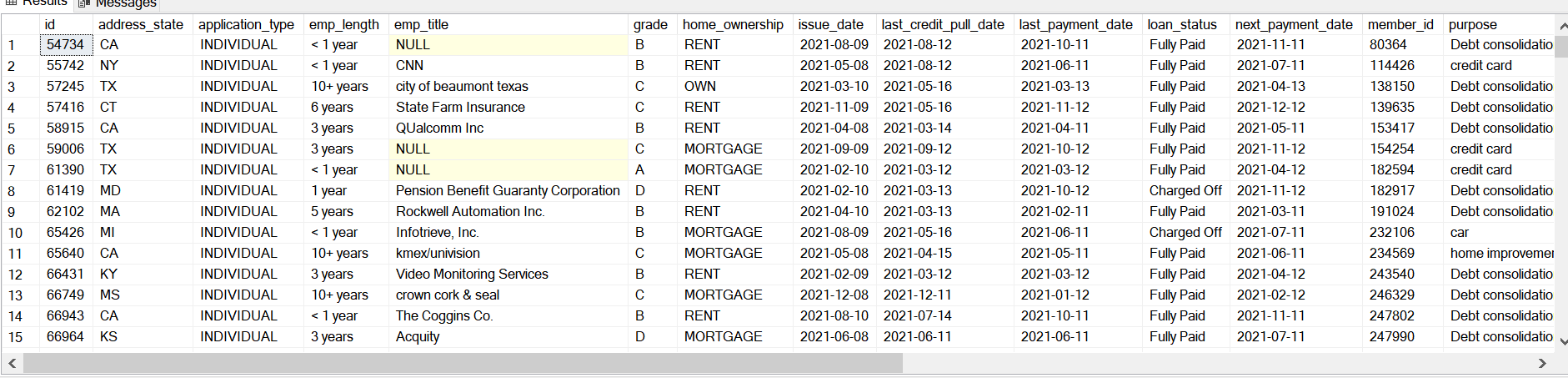
group by home\_ownership

ORDER BY COUNT(id)desc



**GRID VIEW**

select \* from loan\_data;



select home\_ownership,

COUNT(id)as mtdtotal\_applications,

sum(loan\_amount)as mtdtotal\_amt\_funded,

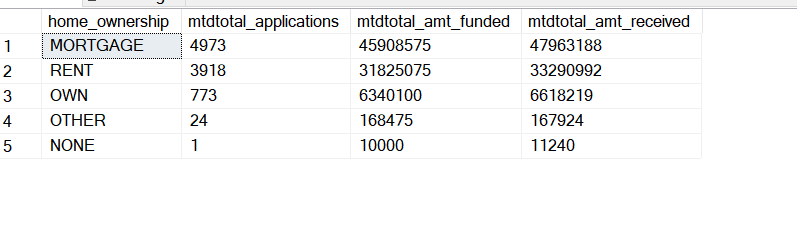
sum(total\_payment) as mtdtotal\_amt\_received

from loan\_data

WHERE grade ='A'

group by home\_ownership

ORDER BY COUNT(id)desc



select home\_ownership,

COUNT(id)as mtdtotal\_applications,

sum(loan\_amount)as mtdtotal\_amt\_funded,

sum(total\_payment) as mtdtotal\_amt\_received

from loan\_data

WHERE grade ='A' AND address\_state ='CA'

group by home\_ownership

ORDER BY COUNT(id)desc

