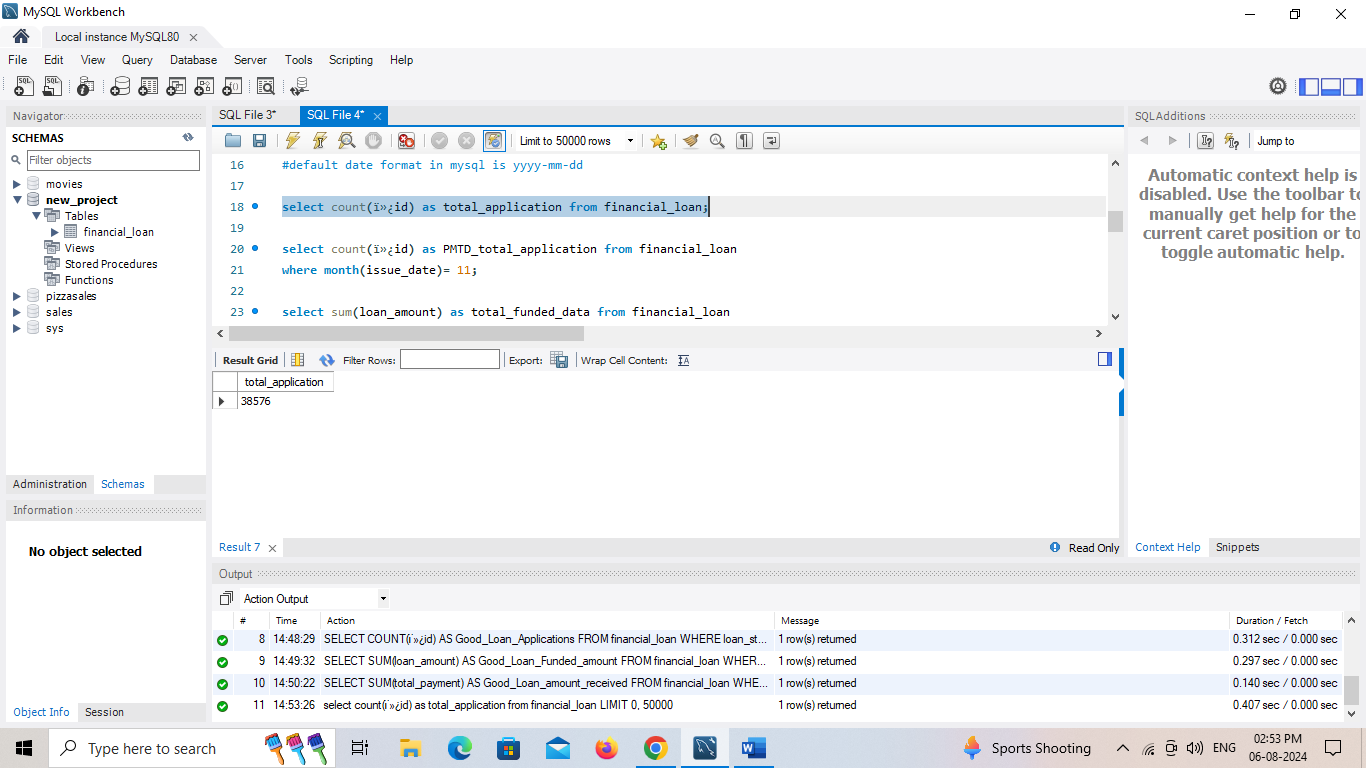
**BANK LOAN REPORT QUERY DOCUMENT**

1. **BANK LOAN REPORT | SUMMARY**

KPI’s:

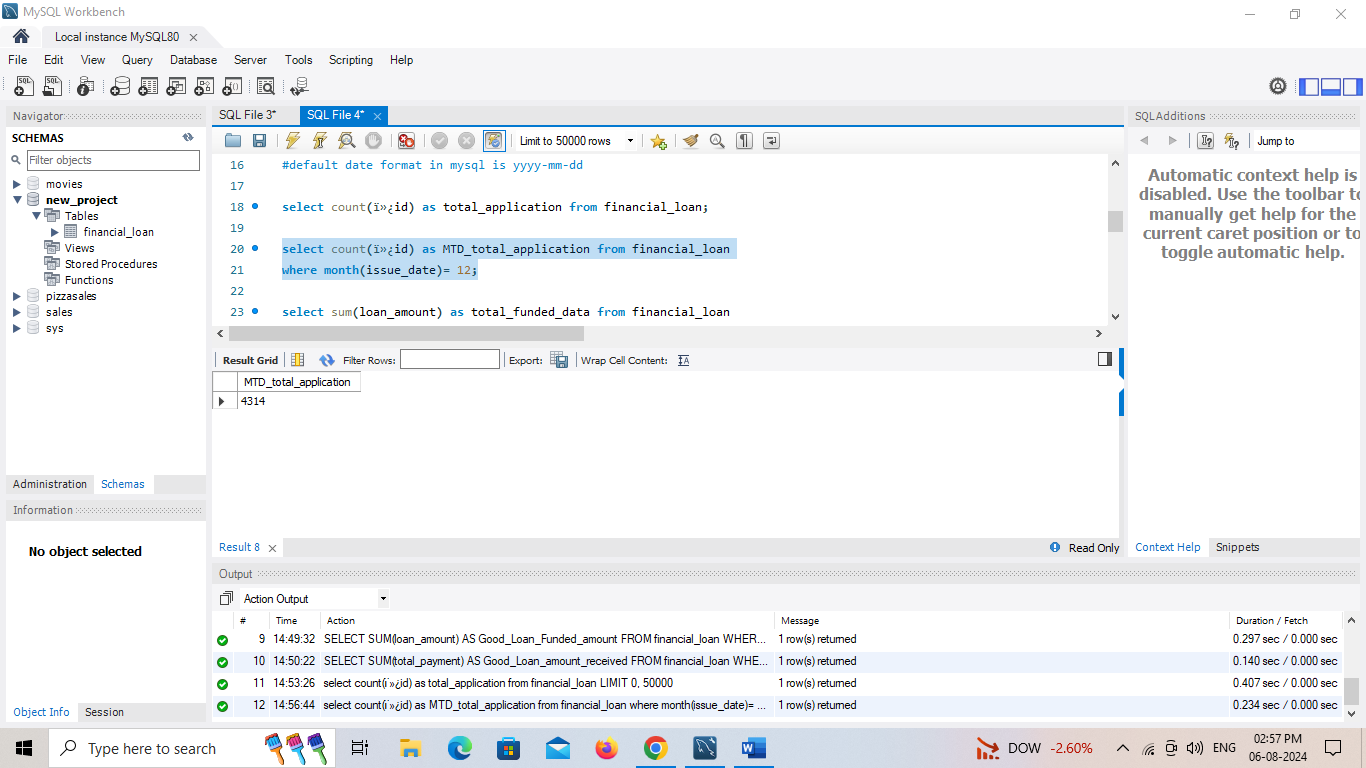
Total Loan Applications

select count(ï»¿id) as total\_application from financial\_loan;



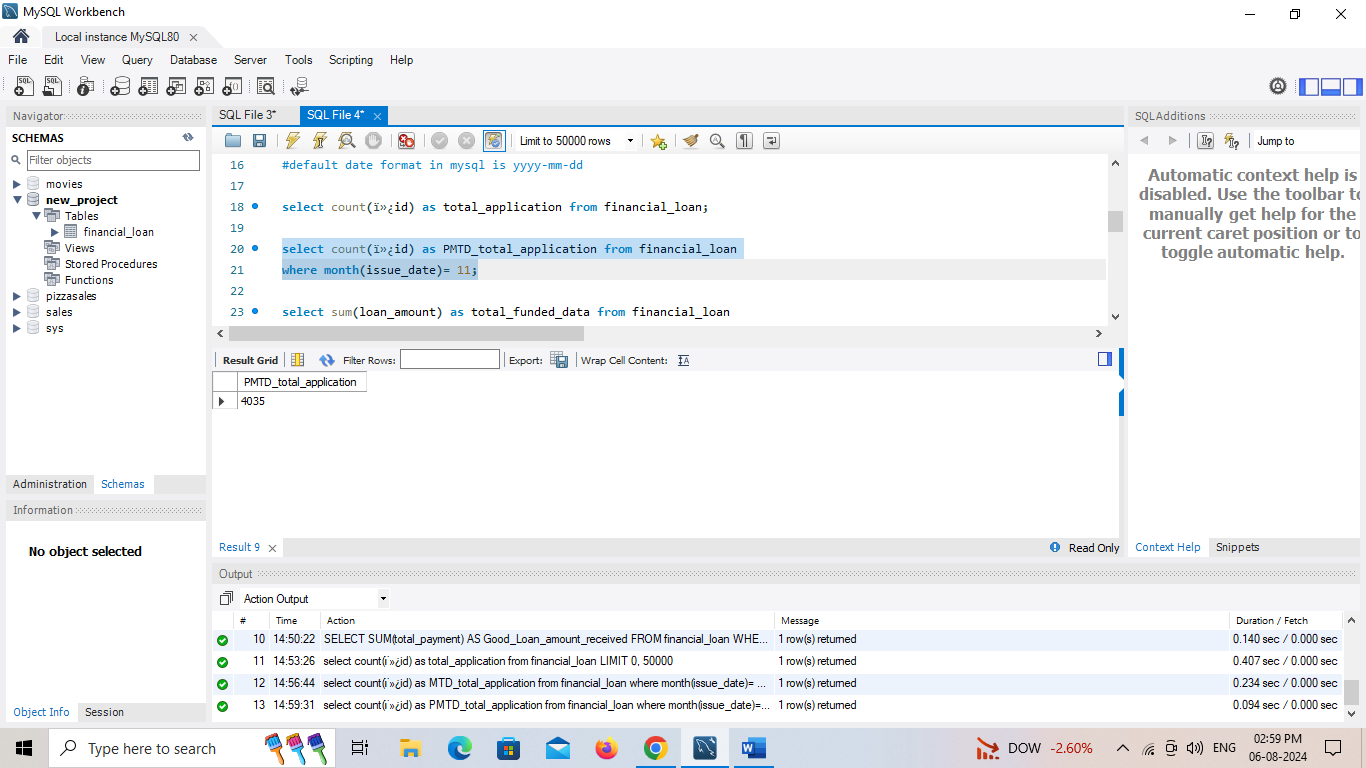
**MTD Loan Applications**

SELECT COUNT(id) AS Total\_Applications FROM financial\_loan

WHERE MONTH(issue\_date) = 12

**PMTD Loan Applications**  
SELECT COUNT(id) AS Total\_Applications FROM financial\_loan

WHERE MONTH(issue\_date) = 11



**Total Funded Amount**

SELECT SUM(loan\_amount) AS Total\_Funded\_Amount FROM financial\_loan



**MTD Total Funded Amount**

SELECT SUM(loan\_amount) AS MTD\_Total\_Funded\_Amount FROM financial\_loan

WHERE MONTH(issue\_date) = 12



**PMTD Total Funded Amount**

select sum(loan\_amount) as PMTD\_total\_funded\_data from financial\_loan

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



**Total Amount Received**

select sum(total\_payment) as total\_amount\_received from financial\_loan;



**MTD Total Amount Received**

select sum(total\_payment) as MTD\_total\_amount\_received from financial\_loan

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



**PMTD Total Amount Received**

select sum(total\_payment) as PMTD\_total\_amount\_received from financial\_loan

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



**Average Interest Rate**

SELECT AVG(int\_rate)\*100 AS Avg\_Int\_Rate FROM financial\_loan



**MTD Average Interest**

SELECT AVG(int\_rate)\*100 AS MTD\_Avg\_Int\_Rate FROM financial\_loan

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



**PMTD Average Interest**

SELECT AVG(int\_rate)\*100 AS PMTD\_Avg\_Int\_Rate FROM financial\_loan

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



**Avg DTI**

select avg(dti)\*100 as avg\_dti from financial\_loan;



**MTD Avg DTI**

select avg(dti)\*100 as MTD\_avg\_dti from financial\_loan

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



**PMTD Avg DTI**

select avg(dti)\*100 as PMTD\_avg\_dti from financial\_loan

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 ï»¿id end )\*100)

/

count(ï»¿id) as Good\_loan\_percentage

from financial\_loan;



**Good Loan Applications**

SELECT COUNT(ï»¿id) AS Good\_Loan\_Applications FROM financial\_loan

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



**Good Loan Funded Amount**

SELECT SUM(loan\_amount) AS Good\_Loan\_Funded\_amount FROM financial\_loan

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



**Good Loan Amount Received**

SELECT SUM(total\_payment) AS Good\_Loan\_amount\_received FROM financial\_loan

WHERE loan\_status = 'Fully Paid' OR loan\_status = 'Current'



**BAD LOAN ISSUED**

**Bad Loan Percentage**

SELECT

(COUNT(CASE WHEN loan\_status = 'Charged Off' THEN ï»¿id END) \* 100.0) /

COUNT(ï»¿id) AS Bad\_Loan\_Percentage

FROM financial\_loan;



**Bad Loan Applications**

SELECT COUNT(ï»¿id) AS Bad\_Loan\_Applications FROM financial\_loan

WHERE loan\_status = 'Charged Off';

****

**Bad Loan funded amount**

SELECT SUM(loan\_amount) AS Bad\_Loan\_Funded\_amount FROM financial\_loan

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(ï»¿id) AS LoanCount,

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

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

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

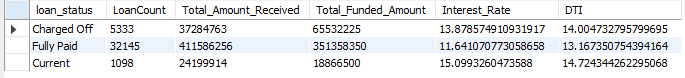
AVG(dti \* 100) AS DTI

FROM

financial\_loan

GROUP BY

loan\_status;



SELECT

loan\_status,

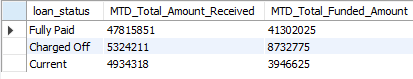
SUM(total\_payment) AS MTD\_Total\_Amount\_Received,

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

FROM financial\_loan

WHERE MONTH(issue\_date) = 12

GROUP BY loan\_status



1. **BANK LOAN REPORT | OVERVIEW**

**MONTH**

select

MONTH(issue\_date) AS Month\_Munber,

monthname(issue\_date) as month\_name,

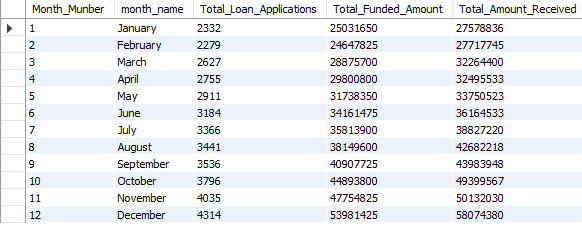
count(ï»¿id)AS Total\_Loan\_Applications,

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

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

from financial\_loan

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

ORDER BY MONTH(issue\_date);

**STATE**

SELECT

address\_state AS State,

COUNT(ï»¿id) AS Total\_Loan\_Applications,

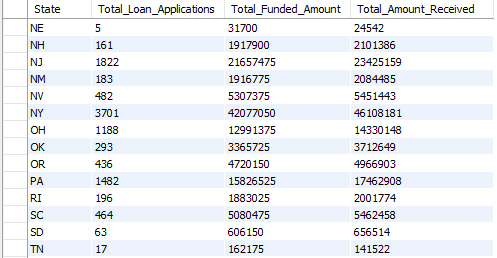
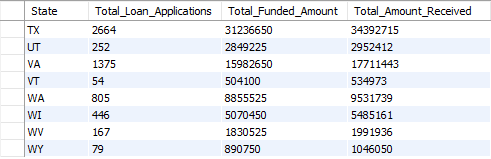
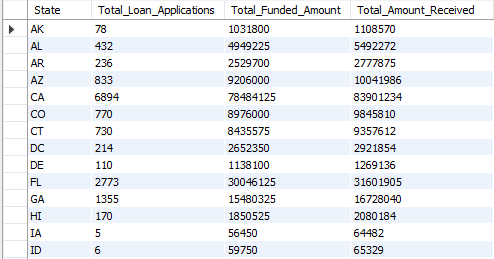
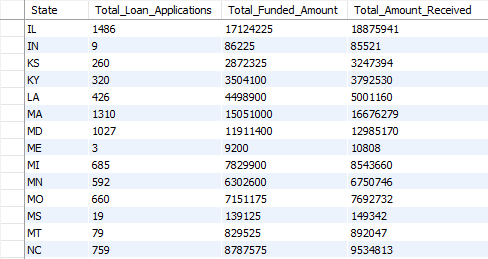
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM financial\_loan

GROUP BY address\_state

ORDER BY address\_state;



**TERM**

SELECT

term,

COUNT(ï»¿id) AS Total\_Loan\_Applications,

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

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

FROM financial\_loan

GROUP BY term

ORDER BY term;



**EMPLOYEE LENGTH**

SELECT

emp\_length,

COUNT(ï»¿id) AS Total\_Loan\_Applications,

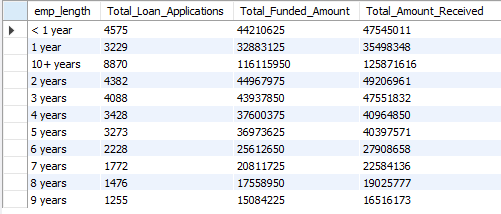
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM financial\_loan

GROUP BY emp\_length

ORDER BY emp\_length;



**PURPOSE**

SELECT

purpose,

COUNT(ï»¿id) AS Total\_Loan\_Applications,

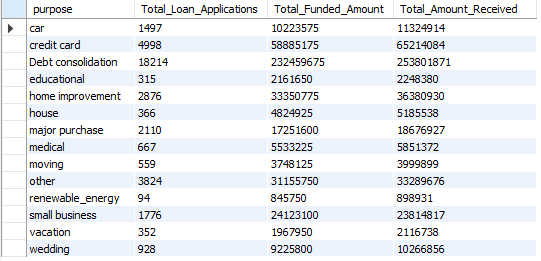
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM financial\_loan

GROUP BY purpose

ORDER BY purpose;



**HOME OWNERSHIP**

SELECT

home\_ownership,

COUNT(ï»¿id) AS Total\_Loan\_Applications,

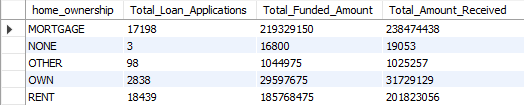
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM financial\_loan

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(ï»¿id) AS Total\_Loan\_Applications,

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

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

FROM financial\_loan

WHERE grade = 'A'

GROUP BY purpose

ORDER BY purpose;

use new\_project;

select\* from financial\_loan;

select issue\_date, last\_credit\_pull\_date, last\_payment\_date, next\_payment\_date from financial\_loan;

alter table financial\_loan

modify issue\_date date;

alter table financial\_loan

modify last\_credit\_pull\_date date;

SELECT DATA\_TYPE from INFORMATION\_SCHEMA.COLUMNS where

table\_schema = 'new\_project' and table\_name = 'financial\_loan';

alter table financial\_loan

modify last\_payment\_date date;

alter table financial\_loan

modify next\_payment\_date date;

#default date format in mysql is yyyy-mm-dd