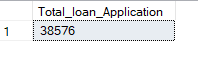
**Bank Loan Report Query Document**

Bank Loan Report | Summary

KPI’s

Total Loan Application

select COUNT(id) as Total\_loan\_Application from bank\_loan\_data;



PMTD Loan Application

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 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



MTD Total Amount Received

select SUM(total\_payment) as MTD\_Total\_Amount\_Received from bank\_loan\_data

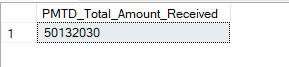
where MONTH(issue\_date) = 12 AND YEAR(issue\_date) = 2021



PMTD Total Amount Received

select SUM(total\_payment) as PMTD\_Total\_Amount\_Received from bank\_loan\_data

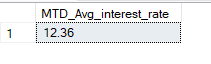
where MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021



MTD AVG Intrest Rate

select ROUND(AVG(int\_rate), 4) \* 100 as MTD\_Avg\_interest\_rate from bank\_loan\_data

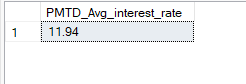
where MONTH(issue\_date) = 12 AND YEAR(issue\_date) = 2021



PMTD AVG Intrest Rate

select ROUND(AVG(int\_rate), 4) \* 100 as PMTD\_Avg\_interest\_rate from bank\_loan\_data

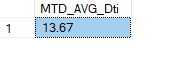
where MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021



MTD AVG Intrest DTI

select ROUND(AVG(dti),4) \* 100 as MTD\_AVG\_Dti from bank\_loan\_data

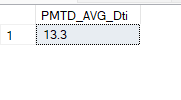
where MONTH(issue\_date)=12 AND YEAR(issue\_date) = 2021



PMTD AVG 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



PROBLEM STATEMENT :

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

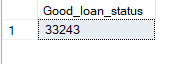
from bank\_loan\_data



Good loan Status

select count(id) as Good\_loan\_status from bank\_loan\_data

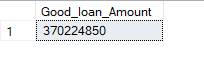
where loan\_status = 'Fully Paid' or loan\_status = 'Current'



Good loan Amount

select sum(loan\_amount) as Good\_loan\_Amount from bank\_loan\_data

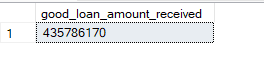
where loan\_status = 'Fully Paid' or loan\_status = 'Current'



Good loan Amount Received

select sum(total\_payment) as good\_loan\_amount\_received from bank\_loan\_data

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



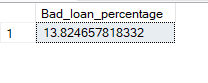
Bad loan Percentage

select

(count(case when loan\_status = 'Charged Off' Then id end)\*100.0) /

COUNT(id) as Bad\_loan\_percentage

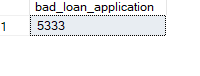
From bank\_loan\_data



Bad loan Application

select COUNT(id) as bad\_loan\_application from bank\_loan\_data

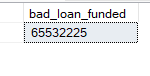
where loan\_status = 'Charged Off'



Bad loan Funded

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

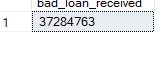
where loan\_status = 'Charged Off'



Bad loan Received

select sum(total\_payment) as bad\_loan\_received from bank\_loan\_data

where loan\_status = 'Charged Off'



Bad loan Funded

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

where loan\_status = 'Charged Off'



Loan status - Total Application

select

loan\_status,

COUNT(id) as total\_applications,

sum(total\_payment) as Total\_Amount\_Received,

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

AVG(int\_rate \* 100) as intrest\_rate,

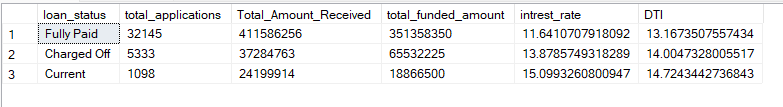
AVG(dti\*100) as DTI

from

bank\_loan\_data

group by

Loan\_status



Loan status - Total Received

select

loan\_status,

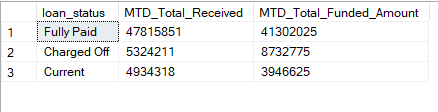
sum(total\_payment) AS MTD\_Total\_Received,

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

FROM bank\_loan\_data

WHERE Month(issue\_date) = 12

GROUP BY loan\_status



Month wise - Total Loan Application, Total funded Amount, Total received amount

select

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

COUNT(id) as Total\_loan\_pplication,

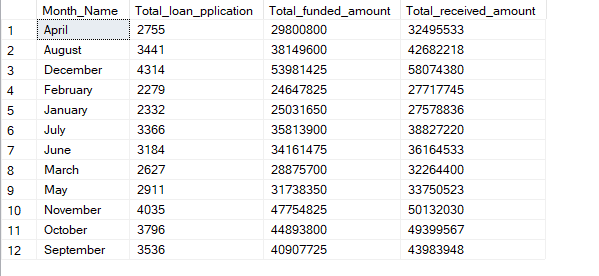
SUM(loan\_amount) as Total\_funded\_amount,

SUM(total\_payment) as Total\_received\_amount

from bank\_loan\_data

group by DATENAME(MONTH, issue\_date)

order by DATENAME(MONTH, issue\_date)



Address state - Total Loan Application, Total funded Amount, Total received amount

select

address\_state,

COUNT(id) as Total\_loan\_application,

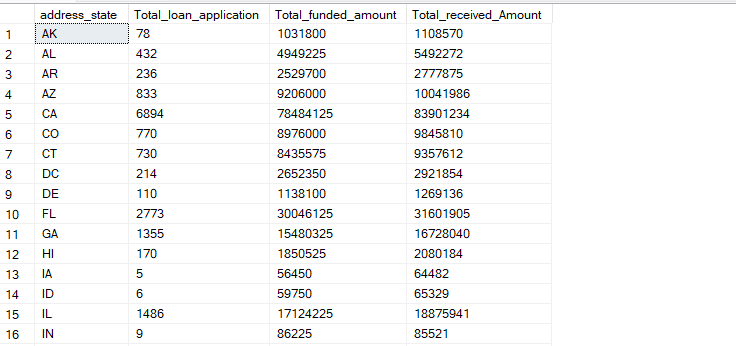
SUM(loan\_amount) as Total\_funded\_amount,

SUM(total\_payment) as Total\_received\_Amount

from bank\_loan\_data

group by address\_state

order by address\_state



Term wise - Total Loan Application, Total funded Amount, Total received amount

select

term,

COUNT(id) as Total\_loan\_application,

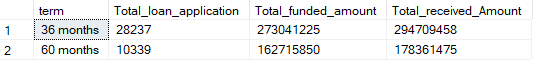
SUM(loan\_amount) as Total\_funded\_amount,

SUM(total\_payment) as Total\_received\_Amount

from bank\_loan\_data

group by term

order by term



Employee Length - Total Loan Application, Total funded Amount, Total received amount

select

emp\_length,

COUNT(id) as Total\_loan\_application,

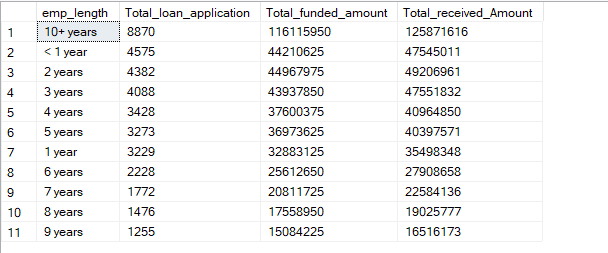
SUM(loan\_amount) as Total\_funded\_amount,

SUM(total\_payment) as Total\_received\_Amount

from bank\_loan\_data

group by emp\_length

order by COUNT(id) desc



Loan Purpose - Total Loan Application, Total funded Amount, Total received amount

select

purpose,

COUNT(id) as Total\_loan\_application,

SUM(loan\_amount) as Total\_funded\_amount,

SUM(total\_payment) as Total\_received\_Amount

from bank\_loan\_data

group by purpose

order by purpose

