**BANK LOAN REPORT QUERY DOCUMENT**

**A.BANK LOAN REPORT | SUMMARY**

**KPI’s :**

**Total loan Applications**

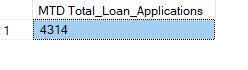
SELECT COUNT(id) [Total\_Loan\_Applications] FROM bank\_loan\_data



**MTD Loan Applications**

SELECT COUNT(id) [MTD Total\_Loan\_Applications] FROM bank\_loan\_data

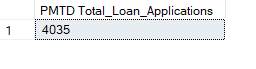
WHERE MONTH(issue\_date)= 12 AND YEAR(issue\_date)=2021

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**PMTD Loan Applications**

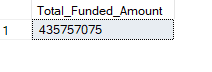
SELECT COUNT(id) [PMTD Total\_Loan\_Applications] FROM bank\_loan\_data

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



**MTD Total Funded Amount**

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

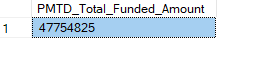
WHERE MONTH(issue\_date)=12 AND YEAR(issue\_date)=2021



**PMTD Total Funded Amount**

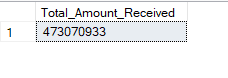
SELECT SUM(loan\_amount) AS PMTD\_Total\_Funded\_Amount FROM bank\_loan\_data

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



**Total Amount Received**

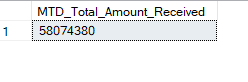
SELECT SUM(total\_payment) AS Total\_Amount\_Received FROM bank\_loan\_data



**MTD Total Amount Received**

SELECT SUM(total\_payment) AS MTD\_Total\_Amount\_Received FROM bank\_loan\_data

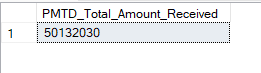
WHERE MONTH(issue\_date)=12 AND YEAR(issue\_date)=2021



**PMTD Total Amount Received**

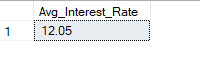
SELECT SUM(total\_payment) AS PMTD\_Total\_Amount\_Received FROM bank\_loan\_data

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



**Average Interest Rate**

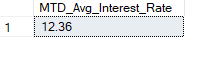
SELECT ROUND(AVG(int\_rate),4)\*100 AS Avg\_Interest\_Rate FROM bank\_loan\_data



**MTD Average Interest Rate**

SELECT ROUND(AVG(int\_rate),4)\*100 AS MTD\_Avg\_Interest\_Rate FROM bank\_loan\_data

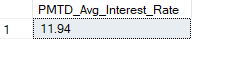
WHERE MONTH(issue\_date) = 12 AND YEAR(issue\_date)=2021



**PMTD Average Interest Rate**

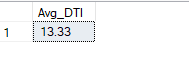
SELECT ROUND(AVG(int\_rate),4)\*100 AS PMTD\_Avg\_Interest\_Rate FROM bank\_loan\_data

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



**Average DTI**

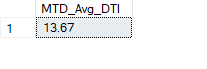
SELECT ROUND(AVG(dti),4)\*100 AS Avg\_DTI FROM bank\_loan\_data



**MTD Average DTI**

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

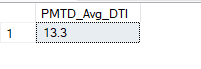
WHERE MONTH(issue\_date)=12 AND YEAR(issue\_date)=2021



**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 ISSUED

**Good Loan Application Percentage**

SELECT

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

/

COUNT(id) AS Good\_loan\_percentage

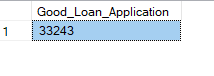
FROM bank\_loan\_data

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**Good Loan Applications**

SELECT COUNT(id)AS Good\_Loan\_Application FROM bank\_loan\_data

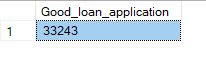
WHERE loan\_status = 'Fully Paid' OR loan\_status = 'Current'

**or we can do this by**

SELECT

(COUNT(CASE WHEN loan\_status = 'Fully Paid' OR loan\_status = 'Current' THEN id END )) [Good\_loan\_application]

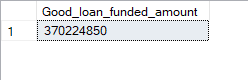
FROM bank\_loan\_data



**Good Loan Funded Amount**

SELECT SUM(loan\_amount) AS [Good\_loan\_funded\_amount] FROM bank\_loan\_data

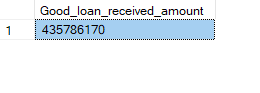
WHERE loan\_status = 'Fully Paid' OR loan\_status = 'Current'



**Good Loan Total Received Amount**

SELECT SUM(total\_payment) AS [Good\_loan\_received\_amount] FROM bank\_loan\_data

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



BAD LOAN ISSUED

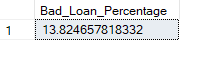
**Bad Loan Application Percentage**

SELECT

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

COUNT(id) AS Bad\_Loan\_Percentage

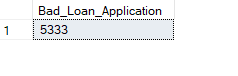
FROM bank\_loan\_data



**Bad Loan Applications**

SELECT COUNT(id) AS Bad\_Loan\_Application FROM bank\_loan\_data

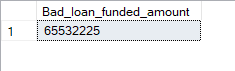
WHERE loan\_status = 'Charged Off'



**Bad Loan Funded Amount**

SELECT SUM(loan\_amount) AS [Bad\_loan\_funded\_amount] FROM bank\_loan\_data

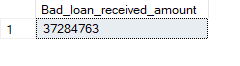
WHERE loan\_status = 'Charged Off'

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**Bad Loan Total Received Amount**

SELECT SUM(total\_payment) AS [Bad\_loan\_received\_amount] 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\_Received,

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

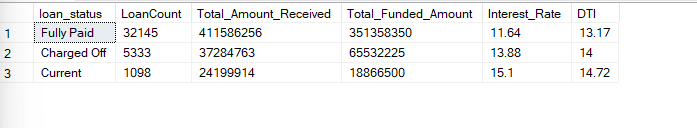
ROUND(AVG(int\_rate),4)\*100 AS Interest\_Rate,

ROUND(AVG(dti),4)\*100 AS DTI

FROM

bank\_loan\_data

GROUP BY

loan\_status

SELECT

loan\_status,

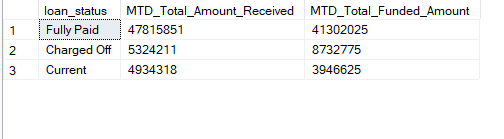
SUM(total\_payment) AS MTD\_Total\_Amount\_Received,

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,

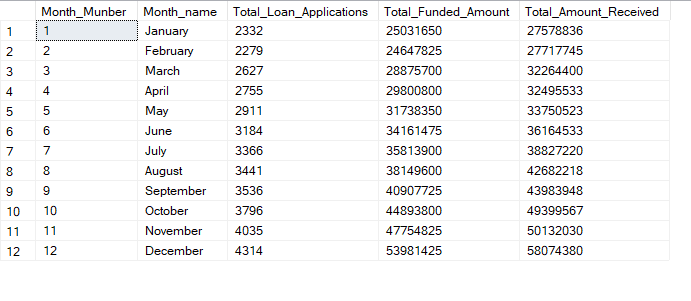
COUNT(id) AS Total\_Loan\_Applications,

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,

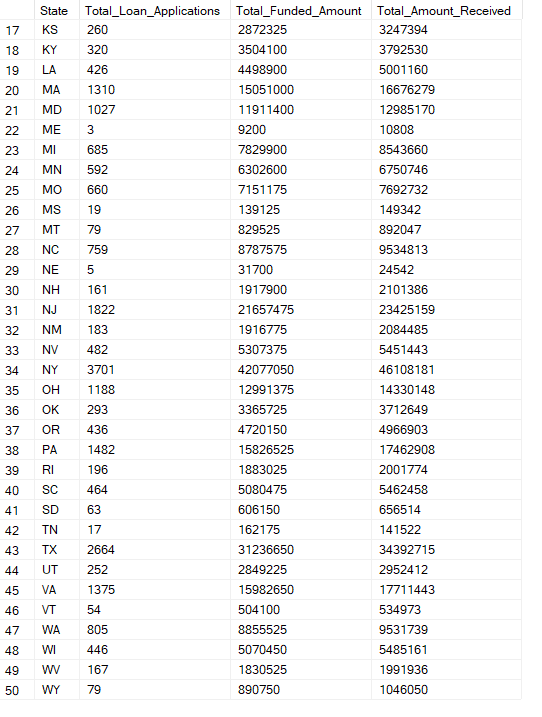
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY address\_state

ORDER BY address\_state



**TERM**SELECT

term AS Term,

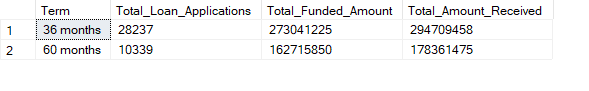
COUNT(id) AS Total\_Loan\_Applications,

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,

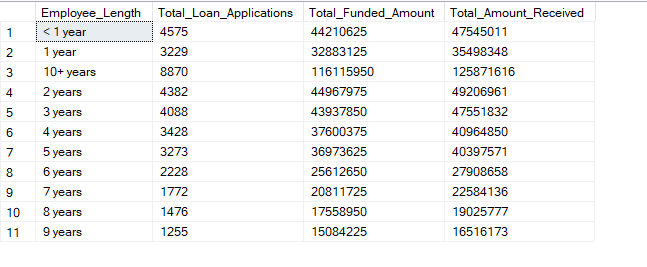
COUNT(id) AS Total\_Loan\_Applications,

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,

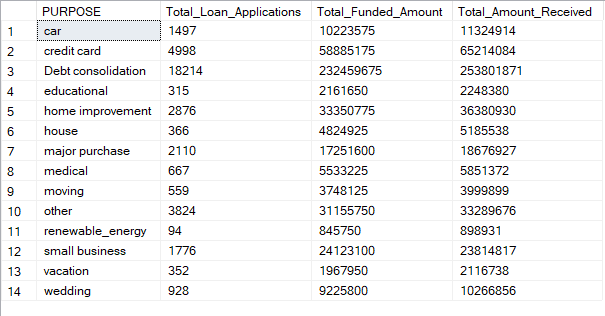
COUNT(id) AS Total\_Loan\_Applications,

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  
