1. BANK LOAN REPORT | SUMMARY

KPI’S:

Total Loan Applications

select count(id) AS Total\_Applications from bank\_loan\_data

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MTD Total Loan Applications

select count(id) AS MTD\_Total\_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) AS PMTD\_Total\_Applications from bank\_loan\_data

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

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Total Funded Amount

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

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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

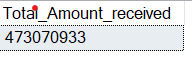
WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021

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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

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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

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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

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Average DTI

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

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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

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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

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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

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Good Loan Applications

select COUNT(id) AS Good\_loan\_Applications FROM bank\_loan\_data

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

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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'

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Good Loan Received Amount

select SUM(total\_payment) AS Good\_loan\_Received\_Amount FROM bank\_loan\_data

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

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BAD LOAN DATA:

Bad Loan Application

select count(id) AS Bad\_Loan\_Application from bank\_loan\_data

where loan\_status='Charged Off'

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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

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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 Received Amount:

select SUM(total\_payment) AS Bad\_loan\_Received\_Amount FROM bank\_loan\_data

where loan\_status = 'Charged Off'

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LOAN STATUS:

select

loan\_status,

count(id) AS Total\_Loan\_Applocations,

Sum(total\_payment) AS Total\_Payment\_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

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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

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MONTH

SELECT

MONTH(issue\_date) AS Month\_Number,

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

COUNT(id) AS Total\_Loan\_Applications,

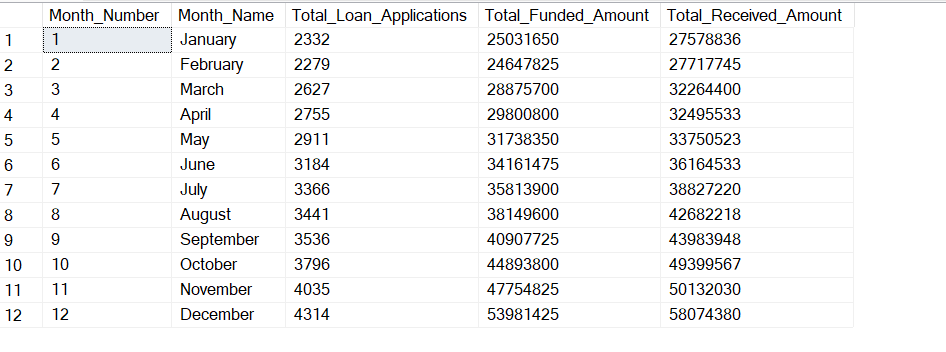
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

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

ORDER BY MONTH(issue\_date)



Address State:

SELECT

address\_state,

COUNT(id) AS Total\_Loan\_Applications,

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

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

FROM bank\_loan\_data

GROUP BY address\_state

ORDER BY COUNT(id) DESC

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TERM:

SELECT

term,

COUNT(id) AS Total\_Loan\_Applications,

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

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

FROM bank\_loan\_data

GROUP BY term

ORDER BY term

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EMP\_LENGTH

SELECT

emp\_length,

COUNT(id) AS Total\_Loan\_Applications,

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

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PURPOSE:

SELECT

purpose,

COUNT(id) AS Total\_Loan\_Applications,

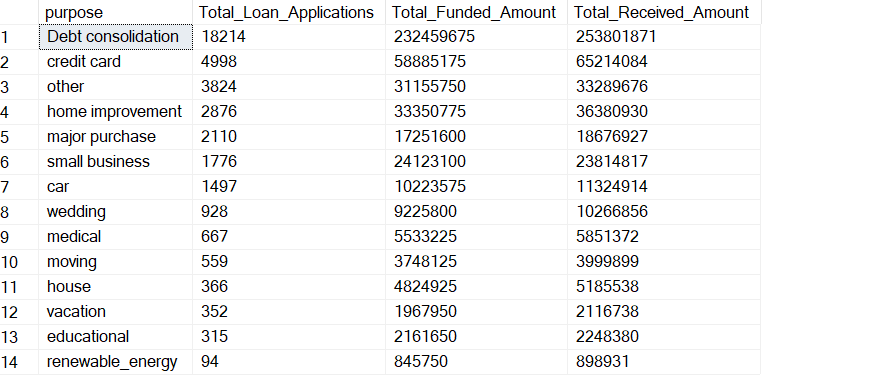
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY purpose

ORDER BY COUNT(id) DESC



Home-Ownership

SELECT

home\_ownership,

COUNT(id) AS Total\_Loan\_Applications,

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

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

FROM bank\_loan\_data

GROUP BY home\_ownership

ORDER BY COUNT(id) DESC

