**BANK LOAN QUERY REPORT**

**KPI’S:**

1. **Total Loan Application:**

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



1. **Month To Date Loan Application**

SELECT COUNT(id) AS MTD\_loan\_application FROM financial\_loan

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

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1. **Total Funded Loan Amount**

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

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1. **MTD Loan Amount**

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

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



1. **PMTD LOAN AMOUNT**

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

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



1. **MTD Total Amount Received**

SELECT SUM(total\_payment) AS MTD\_Total\_Payment\_Received FROM financial\_loan

WHERE MONTH(issue\_date) = 12



1. **PMTD Total Amount Received**

SELECT SUM(total\_payment) AS PMTD\_Total\_Payment\_Received FROM financial\_loan

WHERE MONTH(issue\_date) = 11



1. **Average Interest Rate**

SELECT ROUND(AVG(int\_rate),4) \* 100 AS Average\_Interest\_Rate FROM financial\_loan



1. **MTD\_average Interste Rate**

SELECT ROUND(AVG(int\_rate),4) \* 100 AS MTD\_Average\_Interest\_Rate FROM financial\_loan

WHERE MONTH(issue\_date) = 12



1. **PMTD\_Average\_interst\_rate**

SELECT ROUND(AVG(int\_rate),4) \* 100 AS PMTD\_Average\_Interest\_Rate FROM financial\_loan

WHERE MONTH(issue\_date) = 11



1. **AVERAGE DTI (debt- income\_ratio)**

SELECT ROUND(AVG(dti),4) \* 100 AS Average\_DTI FROM financial\_loan



1. **MTD Avergae DTI**

SELECT ROUND(AVG(dti),4) \* 100 AS MTD\_Average\_DTI FROM financial\_loan

WHERE MONTH(issue\_date) = 12



1. **PMTD Avergae DTI**

SELECT ROUND(AVG(dti),4) \* 100 AS PMTD\_Average\_DTI FROM financial\_loan

WHERE MONTH(issue\_date) = 11



**Performing vs non-performing loan**

1. **performing loan percentage**

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

/

COUNT(id) AS Performing\_Loan\_percentage

FROM financial\_loan



1. **Total performing loan application**

SELECT COUNT(id) AS Performing\_loan FROM financial\_loan

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



1. **Performing loan funded amount**

SELECT SUM(loan\_amount) AS Performing\_loan\_funded\_amount FROM financial\_loan

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



1. **Performing loan received amount**

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

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



1. **Non-performing loan Percentage**

SELECT

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

/

COUNT(id) AS Non\_Performing\_loan\_percentage

FROM financial\_loan



1. **Total\_application for non-performing loan application**

SELECT COUNT(id) AS Non\_Performing\_loan\_Application FROM financial\_loan

WHERE loan\_status = 'Charged Off'



**20. Total amount funded for non-performing loan application**

SELECT SUM(loan\_amount) AS Non\_performing\_Funded\_amount FROM financial\_loan

WHERE loan\_status = 'Charged Off'



**21. Total amount received from non-performing loan application**

SELECT SUM(total\_payment) AS Non\_performing\_Received\_amount FROM financial\_loan

WHERE loan\_status = 'Charged Off'



**22. Loan status**

SELECT

loan\_status,

COUNT(id) AS Total\_Application,

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

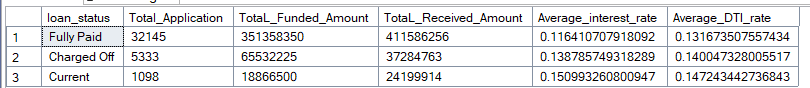
SUM(total\_payment) AS TotaL\_Received\_Amount,

AVG(int\_rate) AS Average\_interest\_rate,

AVG(dti) AS Average\_DTI\_rate

FROM financial\_loan

GROUP BY loan\_status



**23. MTD\_LOAN\_STATUS**

SELECT

loan\_status,

COUNT(id) AS MTD\_Total\_Application,

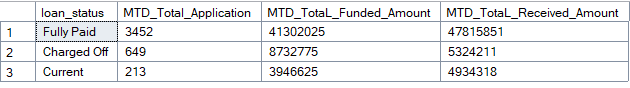
SUM(loan\_amount) AS MTD\_TotaL\_Funded\_Amount,

SUM(total\_payment) AS MTD\_TotaL\_Received\_Amount

FROM financial\_loan

WHERE MONTH(issue\_date) = 12

GROUP BY loan\_status



**24. Loan\_status\_each month**

SELECT

MONTH(issue\_date) AS Month\_Number,

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

COUNT(id) AS MTD\_Total\_Application,

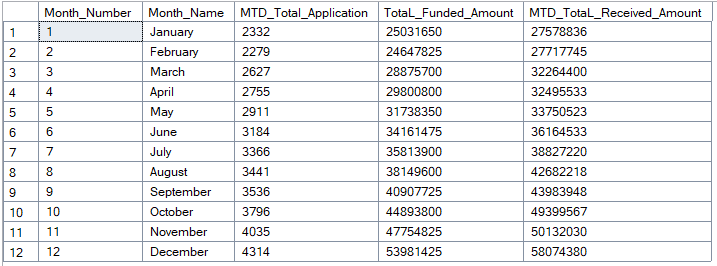
SUM(loan\_amount) AS TotaL\_Funded\_Amount,

SUM(total\_payment) AS MTD\_TotaL\_Received\_Amount

FROM financial\_loan

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

ORDER BY MONTH(issue\_date)



**25. Loan status by address state**

SELECT

address\_state,

COUNT(id) AS Total\_loan\_Application,

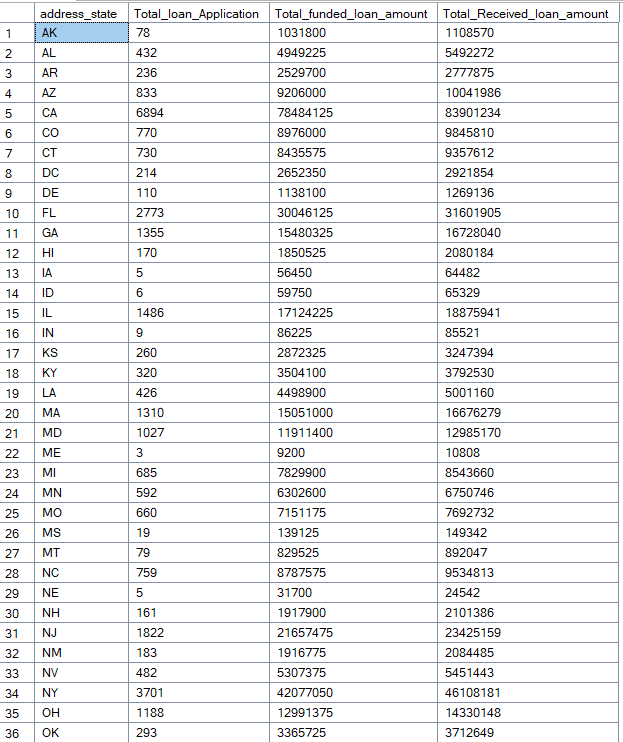
SUM(loan\_amount) AS Total\_funded\_loan\_amount,

SUM(total\_payment) AS Total\_Received\_loan\_amount

FROM financial\_loan

GROUP BY address\_state

ORDER BY address\_state



**26. Loan term analysis**

SELECT

term,

COUNT(id) AS Total\_loan\_Application,

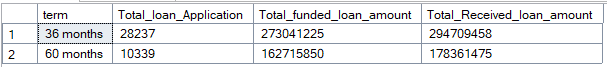
SUM(loan\_amount) AS Total\_funded\_loan\_amount,

SUM(total\_payment) AS Total\_Received\_loan\_amount

FROM financial\_loan

GROUP BY term

ORDER BY term

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**27. loan based on employee length**

SELECT

emp\_length,

COUNT(id) AS Total\_loan\_Application,

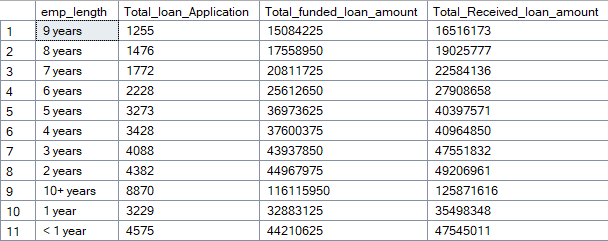
SUM(loan\_amount) AS Total\_funded\_loan\_amount,

SUM(total\_payment) AS Total\_Received\_loan\_amount

FROM financial\_loan

GROUP BY emp\_length

ORDER BY emp\_length DESC

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**28.loan status based on purpose of loan**

SELECT

purpose,

COUNT(id) AS Total\_loan\_Application,

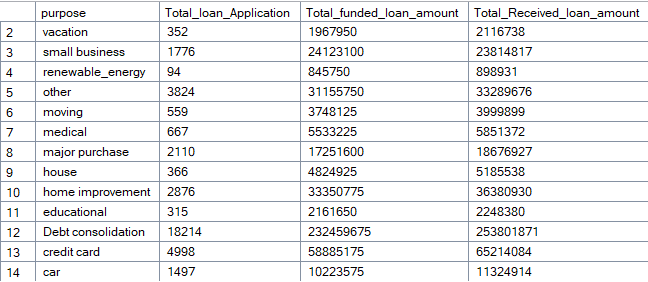
SUM(loan\_amount) AS Total\_funded\_loan\_amount,

SUM(total\_payment) AS Total\_Received\_loan\_amount

FROM financial\_loan

GROUP BY purpose

ORDER BY purpose DESC



**29. loan status based on grade**

SELECT

grade,

COUNT(id) AS Total\_loan\_Application,

SUM(loan\_amount) AS Total\_funded\_loan\_amount,

SUM(total\_payment) AS Total\_Received\_loan\_amount

FROM financial\_loan

GROUP BY grade

ORDER BY grade ASC

