**BANK LOAN REPORT QUERY DOCUMENT**

1. Bank Loan Report

Total Loan Applications

SELECT COUNT(id) AS Total\_Loan\_Applications FROM Bank\_loandata



Total Month To date Applications

SELECT COUNT(id) AS Total\_Applications FROM bank\_loandata

WHERE MONTH(issue\_date) = 12



Previous Mounth to Date

SELECT SUM(loan\_amount) AS PMTD\_Total\_Funded\_Amount From Bank\_loandata

WHERE MONTH(issue\_date) = 11



**Total Funded Amount**

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



**MTD Total Funded Amount**

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

WHERE MONTH(issue\_date) = 12



**PMTD Total Amount Recived**

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

WHERE MONTH(issue\_date) = 11



**Total Amount Received**

SELECT SUM(total\_payment) AS Total\_Amount\_Collected FROM bank\_loandata



**MTD Total Amount Received**

SELECT SUM(total\_payment) AS Total\_Amount\_Collected FROM bank\_loandata

WHERE MONTH(issue\_date) = 12



**PMTD Total Amount Received**

SELECT SUM(total\_payment) AS Total\_Amount\_Collected FROM bank\_loandata

WHERE MONTH(issue\_date) = 11



**Avergae Intrest Rate :**

SELECT AVG(int\_rate) AS AVG\_Intrest\_Rate FROM Bank\_loandata



**MTD Average Interest**

SELECT AVG(int\_rate) \* 100 AS AVG\_Intrest\_Rate FROM Bank\_loandata

HERE MONTH(issue\_date) = 12



**PMTD Average Interest**

SELECT AVG(int\_rate)\*100 AS PMTD\_Avg\_Int\_Rate FROM bank\_loandata

WHERE MONTH(issue\_date) = 11



**Avg DTI**

SELECT AVG(dti)\*100 AS Avg\_DTI FROM bank\_loandata



**MTD Avg DTI**

SELECT AVG(dti)\*100 AS MTD\_Avg\_DTI FROM bank\_loandata

WHERE MONTH(issue\_date) = 12



**PMTD Avg DTI**

SELECT AVG(dti)\*100 AS PMTD\_Avg\_DTI FROM bank\_loandata

WHERE MONTH(issue\_date) = 11



**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\_loandata

****

**Good Loan Applications**

SELECT COUNT(id) AS Good\_Loan\_Applications FROM Bank\_loandata

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

****

**Sum of GOOD LOAN Funded Amount**

SELECT SUM(loan\_amount) AS Good\_loan\_Funded\_Amount FROM Bank\_loandata

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



**Good loan Amount Recived**

SELECT SUM(total\_payment) AS Good\_loan\_Funded\_Amount FROM Bank\_loandata

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



**BAD LOAN ISSUED**

**Bad Loan Percentage**

SELECT

(COUNT(CASE WHEN Loan\_status = 'Charged off' THEN id END) \* 100.0)/

COUNT(id) AS Bad\_Loan\_percentage

FROM Bank\_loandata



**Bad loan Applications**

SELECT COUNT(id) AS Bad\_Loan\_Application FROM Bank\_loandata

WHERE loan\_status = 'Charged Off'



**Bad Loan Funded Amount**

SELECT SUM(loan\_amount) AS Bad\_Loan\_Funded\_amount From Bank\_loandata

WHERE loan\_status = ' Charged Off ‘



**Bad Loan Amount Received**

SELECT SUM(total\_payment)AS Bad\_Loan\_Funded\_amount From Bank\_loandata

WHERE loan\_status = 'Charged Off'



LOAN STATUS

SELECT

loan\_status,

COUNT(id) AS Total\_loan\_applications,

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

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

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

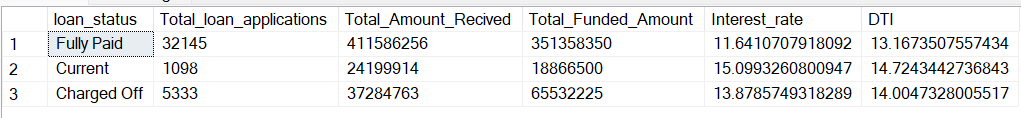
AVG(dti \* 100) AS DTI

FROM

Bank\_loandata

GROUP BY

loan\_status



SELECT

loan\_status,

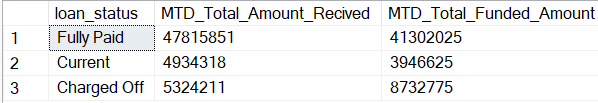
SUM(total\_payment) AS MTD\_Total\_Amount\_Recived,

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

FROM Bank\_loandata

WHERE MONTH(issue\_date) = 12

GROUP BY loan\_status



1. BANK LOAN REPORT

**MONTH**

SELECT

MONTH(issue\_date) AS Month\_Name,

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

COUNT(id) AS Total\_Loan\_Applications,

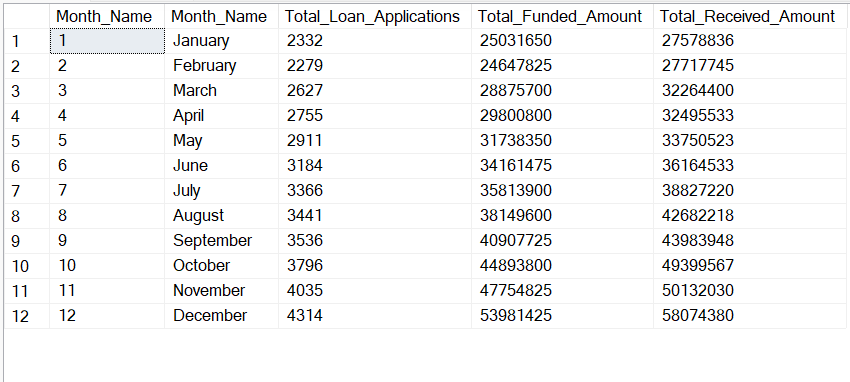
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM Bank\_loandata

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

ORDER BY MONTH(issue\_date)



**STATE**

**Regional Analysic by 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

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**Long Term Analysis**

SELECT

term,

COUNT(id) AS Total\_Loan\_Applications,

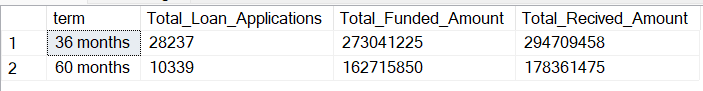
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_Loandata

GROUP BY term

ORDER BY term



**Employee Length Analysis**

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\_loandata

GROUP BY emp\_length

ORDER BY emp\_length

****

**Purpose of the Loan.**

SELECT

purpose,

COUNT(id) AS Total\_Loan\_Applications,

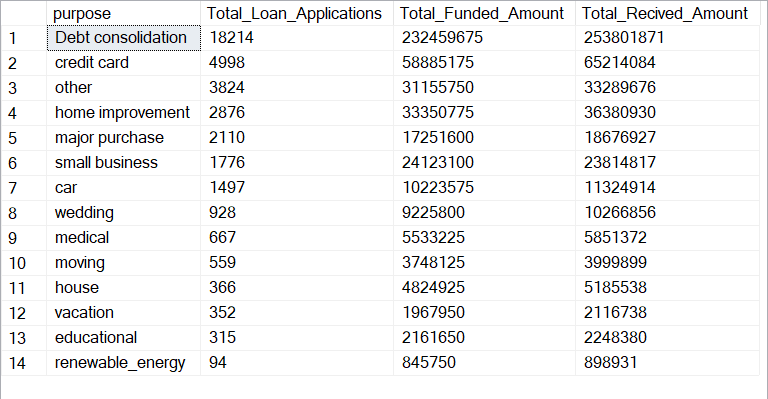
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_Loan\_data

GROUP BY purpose

ORDER BY COUNT(id) DESC



**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

****

**NOTE: While Applying filter like grade A..**

SELECT

home\_ownership,

COUNT(id) AS Total\_Loan\_Applications,

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

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

FROM bank\_Loan\_data

WHERE grade = 'A'

GROUP BY home\_ownership

ORDER BY COUNT(id) DESC

