**BANK LOAN REPORT QUERY DOCUMENT**

**1) Total Loan Application**

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



**2) MTD Loan Applications**

select count(id) as MTD\_Total\_Loan\_Application from bank\_loan\_data

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



**3) 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;



**4) Total Funded Received**

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



**5) 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;



**6) 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;



**7) Total Amount Recieved**

select sum(total\_payment) as Total\_Amount\_Collected from bank\_loan\_data;



**8) MTD Total Amount Received**

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

WHERE MONTH(issue\_date) = 12 and YEAR(issue\_date) = 2021;



**9) PMTD Total Amount Recieved**

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

WHERE MONTH(issue\_date) = 11 and YEAR(issue\_date) = 2021;



**10) Average Interest Rate**

SELECT AVG(int\_rate)\*100 AS Avg\_Int\_Rate FROM bank\_loan\_data;



**11) MTD Average Interest**

SELECT AVG(int\_rate)\*100 AS MTD\_Avg\_Int\_Rate FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12 and YEAR(issue\_date) = 2021;



**12) PMTD Average Interest**

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

WHERE MONTH(issue\_date) = 11 and YEAR(issue\_date) = 2021;



**13) Avg DTI**

SELECT AVG(dti)\*100 AS Avg\_DTI FROM bank\_loan\_data;



**14) MTD Avg DTI**

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

WHERE MONTH(issue\_date) = 12 and YEAR(issue\_date) = 2021;



**15) PMTD Avg DTI**

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

WHERE MONTH(issue\_date) = 11 and YEAR(issue\_date) = 2021;



**16) Good Loan Percentage**

SELECT

(COUNT(CASE WHEN loan\_status = 'Fully Paid' OR loan\_status = 'Current' THEN id END) \* 100.0) /

COUNT(id) AS Good\_Loan\_Percentage

FROM bank\_loan\_data;



**17) Good Loan Applications**

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

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



**18) 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';



**19) 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';



**20) 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;



**21) Bad Loan Applications**

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

WHERE loan\_status = 'Charged Off';



**22) Bad Loan Funded Amount**

SELECT SUM(loan\_amount) AS Bad\_Loan\_Funded\_amount FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off';



**23) Bad Loan Amount Received**

SELECT SUM(total\_payment) AS Bad\_Loan\_amount\_received FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off';



**24) LOAN STATUS**

SELECT

loan\_status,

COUNT(id) AS LoanCount,

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

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

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

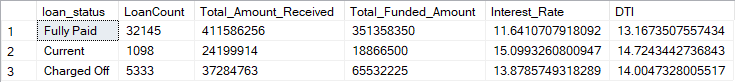
AVG(dti \* 100) AS DTI

FROM

bank\_loan\_data

GROUP BY

loan\_status;



SELECT

loan\_status,

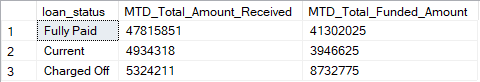
SUM(total\_payment) AS MTD\_Total\_Amount\_Received,

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

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12

GROUP BY loan\_status;



**25) MONTH**

SELECT

MONTH(issue\_date) AS Month\_Munber,

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

COUNT(id) AS Total\_Loan\_Applications,

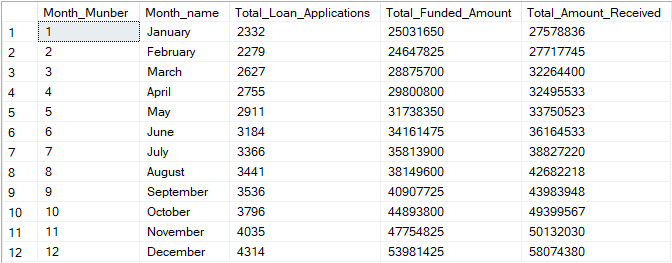
SUM(loan\_amount) AS Total\_Funded\_Amount,

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);



**26) STATE**

SELECT

address\_state AS State,

COUNT(id) AS Total\_Loan\_Applications,

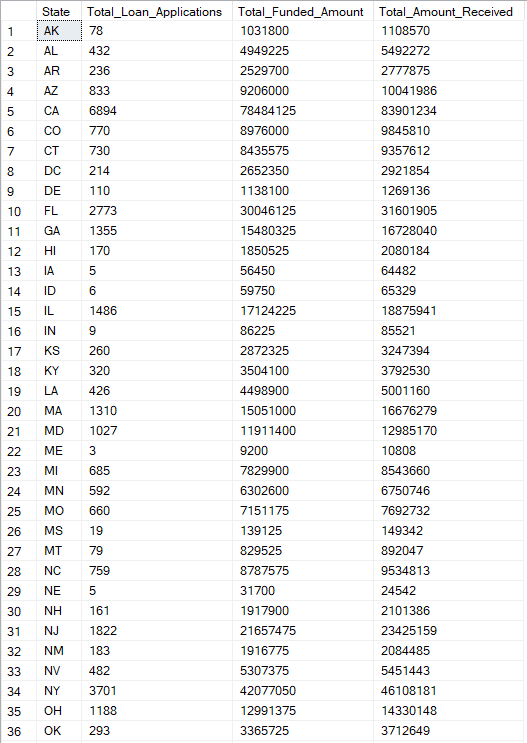
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY address\_state

ORDER BY address\_state;



**27) 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;



28) EMPLOYEE LENGTH

SELECT

emp\_length AS Employee\_Length,

COUNT(id) AS Total\_Loan\_Applications,

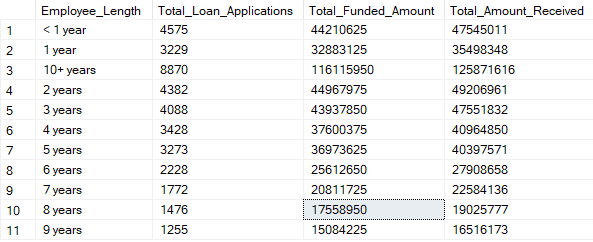
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY emp\_length

ORDER BY emp\_length;



**29) PURPOSE**

SELECT

purpose AS PURPOSE,

COUNT(id) AS Total\_Loan\_Applications,

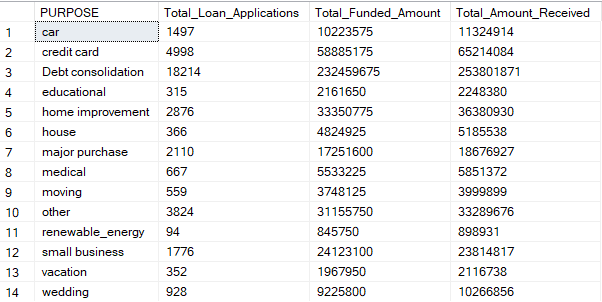
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY purpose

ORDER BY purpose;



**30) 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;

