USE bankloans;

SELECT \* FROM loan\_details;

UPDATE loan\_details

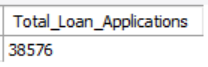
SET issue\_date=str\_to\_date(issue\_date,"%d-%m-%Y");

ALTER TABLE loan\_details

MODIFY issue\_date date;

**-- TOTAL LOAN APPLICATIONS**

SELECT COUNT(id) Total\_Loan\_Applications FROM loan\_details;



**-- MTD LOAN APPLICATIONS**

SELECT COUNT(id) MTD\_Loan\_Applications FROM loan\_details

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



**-- PMTD LOAN APPLICATIONS**

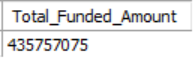
SELECT COUNT(id) PMTD\_Loan\_Applications FROM loan\_details

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



-- **TOTAL FUNDED AMOUNT**

SELECT SUM(loan\_amount) Total\_Funded\_Amount FROM loan\_details;



**-- MTD FUNDED AMOUNT**

SELECT SUM(loan\_amount) MTD\_Funded\_Amount FROM loan\_details

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



**-- PMTD FUNDED AMOUNT**

SELECT SUM(loan\_amount) PMTD\_Funded\_Amount FROM loan\_details

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



**-- TOTAL AMOUNT RECEIVED**

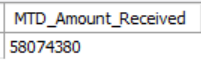
SELECT SUM(total\_payment) Total\_Amount\_Received FROM loan\_details;



**-- MTD AMOUNT RECEIVED**

SELECT SUM(total\_payment) MTD\_Amount\_Received FROM loan\_details

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



**-- PMTD AMOUNT RECEIVED**

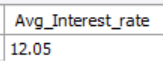
SELECT SUM(total\_payment) PMTD\_Amount\_Received FROM loan\_details

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



**-- AVERAGE INTEREST RATE**

SELECT ROUND(AVG(int\_rate)\*100,2) Avg\_Interest\_rate FROM loan\_details;



**-- MTD AVERAGE INTEREST RATE**

SELECT ROUND(AVG(int\_rate)\*100,2) MTD\_Avg\_Interest\_rate FROM loan\_details

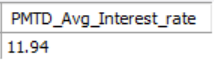
WHERE MONTH(issue\_date)=12 AND YEAR(issue\_date)=2021;



**-- PMTD AVERAGE INTEREST RATE**

SELECT ROUND(AVG(int\_rate)\*100,2) PMTD\_Avg\_Interest\_rate FROM loan\_details

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



**-- AVERAGE DTI RATE**

SELECT ROUND(AVG(dti)\*100,2) Avg\_DTI FROM loan\_details;



**-- MTD DTI RATE**

SELECT ROUND(AVG(dti)\*100,2) MTD\_Avg\_DTI FROM loan\_details

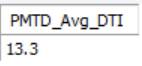
WHERE MONTH(issue\_date)=12 AND YEAR(issue\_date)=2021;



**-- PMTD DTI RATE**

SELECT ROUND(AVG(dti)\*100,2) PMTD\_Avg\_DTI FROM loan\_details

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



**-- GOOD LOAN APPLICATION PERCENTAGE**

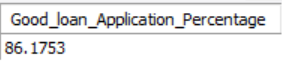
SELECT

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

/

COUNT(id) Good\_loan\_Application\_Percentage

FROM loan\_details;

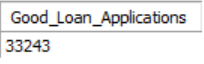


**-- GOOD LOAN APPLICATIONS**

SELECT COUNT(id) Good\_Loan\_Applications

FROM loan\_details

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



**-- GOOD LOAN FUNDED AMOUNT**

SELECT SUM(loan\_amount) Good\_Loan\_Funded\_Amount

FROM loan\_details

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



**-- GOOD LOAN TOTAL RECEIVED AMOUNT**

SELECT SUM(total\_payment) Good\_Loan\_Received\_Amount

FROM loan\_details

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



**-- BAD LOAN APPLICATION PERCENTAGE**

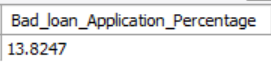
SELECT

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

/

COUNT(id) Bad\_loan\_Application\_Percentage

FROM loan\_details;



**-- BAD LOAN APPLICATIONS**

SELECT COUNT(id) Bad\_Loan\_Applications

FROM loan\_details

WHERE loan\_status="Charged Off";



**-- BAD LOAN FUNDED AMOUNT**

SELECT SUM(loan\_amount) Bad\_Loan\_Funded\_Amount

FROM loan\_details

WHERE loan\_status="Charged Off";

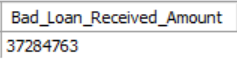


**-- BAD LOAN TOTAL RECEIVED AMOUNT**

SELECT SUM(total\_payment) Bad\_Loan\_Received\_Amount

FROM loan\_details

WHERE loan\_status="Charged Off";



**-- LOAN STATUS GRID VIEW**

SELECT

loan\_status,

COUNT(id) AS Total\_Loan\_Applications,

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

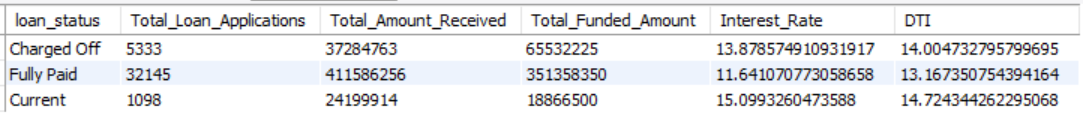
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

AVG(dti \* 100) AS DTI

FROM loan\_details

GROUP BY loan\_status;



SELECT loan\_status,

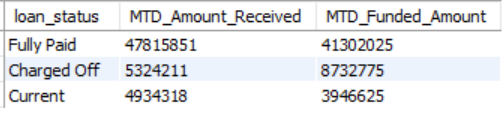
SUM(total\_payment) AS MTD\_Amount\_Received,

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

FROM loan\_details

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

GROUP BY loan\_status;



**-- MONTHLY TREND BY ISSUE DATE**

SELECT MONTH(issue\_date) AS Month\_Munber,

MONTHNAME(issue\_date) AS Month\_name,

COUNT(id) AS Total\_Loan\_Applications,

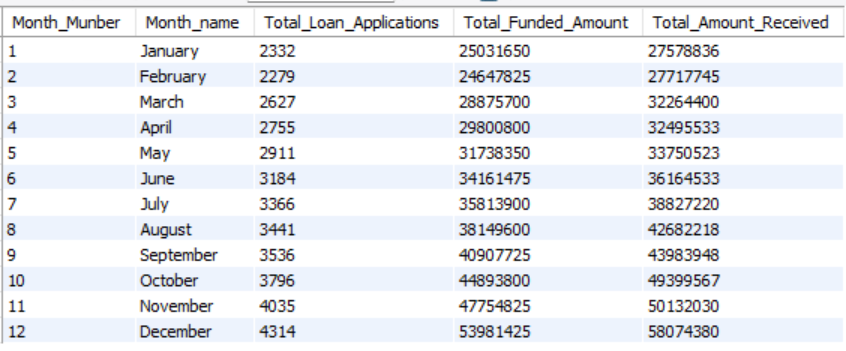
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM loan\_details

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

ORDER BY MONTH(issue\_date);



**-- EMPLOYEE LENGTH**

SELECT emp\_length,

COUNT(id) AS Total\_Loan\_Applications,

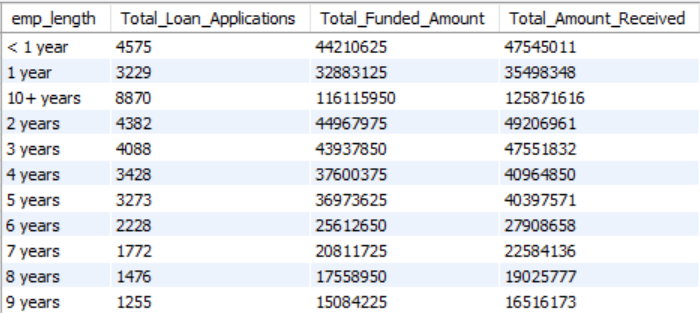
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM loan\_details

GROUP BY emp\_length

ORDER BY emp\_length;



**-- REGION**

SELECT address\_state,

COUNT(id) AS Total\_Loan\_Applications,

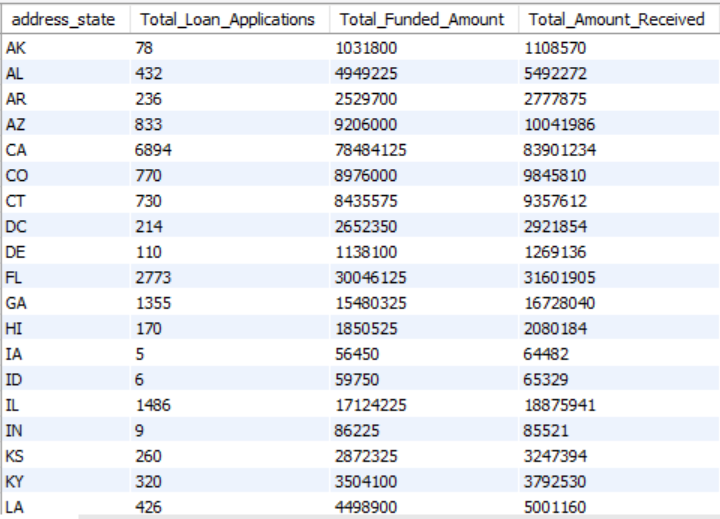
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM loan\_details

GROUP BY address\_state

ORDER BY address\_state;



**-- TERM**

SELECT term,

COUNT(id) AS Total\_Loan\_Applications,

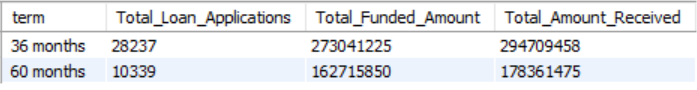
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM loan\_details

GROUP BY term

ORDER BY term;



**-- PURPOSE**

SELECT purpose,

COUNT(id) AS Total\_Loan\_Applications,

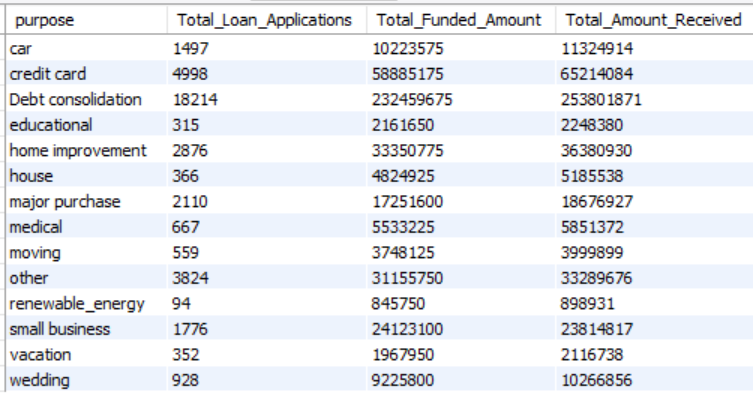
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM loan\_details

GROUP BY purpose

ORDER BY purpose;



**-- HOME OWNERSHIP**

SELECT home\_ownership,

COUNT(id) AS Total\_Loan\_Applications,

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

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

FROM loan\_details

GROUP BY home\_ownership

ORDER BY home\_ownership;

