SELECT \* FROM bank\_loan\_data

---TOTAL LOAN APPLICATIONS

SELECT COUNT(id) as Total\_Loan\_Applications FROM bank\_loan\_data

--MTD Loan Applications

SELECT COUNT(id) as Total\_Loan\_Applications FROM bank\_loan\_data

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

--PMTD Loan Applications

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

WHERE MONTH(issue\_date) = 11

--Total Funded Amount

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

--MTD Total Funded Amount

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

WHERE MONTH(issue\_date) = 12

--PMTD Total Funded Amount

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

WHERE MONTH(issue\_date) = 11

--Total Amount Received

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

--MTD Total Amount Received

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

WHERE MONTH(issue\_date) = 12

--PMTD Total Amount Received

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

WHERE MONTH(issue\_date) = 11

--Average Interest Rate

SELECT ROUND(AVG(int\_rate), 4) \* 100 AS Avg\_Int\_Rate FROM bank\_loan\_data

--MTD Average Interest

SELECT ROUND(AVG(int\_rate), 4) \* 100 AS MTD\_Avg\_Int\_Rate FROM bank\_loan\_data

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

--PMTD Average Interest

SELECT ROUND(AVG(int\_rate), 4) \* 100 AS PMTD\_Avg\_Int\_Rate FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11

--Avg DTI

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

--MTD Avg DTI

SELECT ROUND(AVG(dti),4)\*100 AS MTD\_Avg\_DTI FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12

--PMTD Avg DTI

SELECT ROUND(AVG(dti),4)\*100 AS PMTD\_Avg\_DTI FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11

--Check Types of Behavior Repayments

SELECT loan\_status FROM bank\_loan\_data

-- 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

--Good Loan Applications

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

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

--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'

--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'

--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

--Bad Loan Applications

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

WHERE loan\_status = 'Charged Off'

--Bad Loan Funded Amount

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

WHERE loan\_status = 'Charged Off'

--Bad Loan Amount Received

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

WHERE loan\_status = 'Charged Off'

--LOAN STATUS

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

bank\_loan\_data

GROUP BY

loan\_status

--MTD 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

---BANK LOAN REPORT

---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)

-----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 COUNT(id) DESC

--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

---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 COUNT(id) DESC

---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 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 COUNT(id) DESC