1. Total Loan Applications:

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



1. MTD Loan Applications:

SELECT COUNT(id) AS MTD\_Total\_loan\_application FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12

A blank credit card with black text

Description automatically generated with medium confidence

1. PMTD:

SELECT COUNT(id) AS PMTD\_Total\_loan\_application FROM bank\_loan\_data

A screen shot of a computer screen

Description automatically generatedWHERE MONTH(issue\_date) = 11

1. Total funded Amount:

A close-up of a number

Description automatically generatedSELECT SUM(loan\_amount) AS Total\_Funded\_Amount FROM bank\_loan\_data

1. 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



1. 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



1. Total Amount Received:

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

1. MTD Total Amount Received:

SELECT SUM(total\_payment) AS MTD\_Total\_Amount\_Received FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12

1. PMTD Total Amount Received:

SELECT SUM(total\_payment) AS PMTD\_Total\_Amount\_Received FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11



1. Average Interest Rate:

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



1. MTD Average Interest Rate:

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

WHERE MONTH(issue\_date) = 12

1. PMTD Average Interest Rate:

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

WHERE MONTH(issue\_date) = 11



1. Average Debt-to-income ratio:

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



1. MTD Average Debt-to-income ratio:

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

WHERE MONTH(issue\_date) = 12

1. PMTD Average Debt-to-income ratio:

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

WHERE MONTH(issue\_date) = 11

A screen shot of a computer

Description automatically generated

1. Good loan %:

SELECT

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

/

COUNT(id) AS Good\_loan\_percentage

FROM bank\_loan\_data



1. Good loan applications:

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

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

1. 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'

A close-up of a bank check

Description automatically generated

1. 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'

1. Bad Loan %:

SELECT

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

/

COUNT(id) AS Bad\_loan\_percentage

FROM bank\_loan\_data

1. Bad loan Applications:

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

WHERE loan\_status = 'Charged Off'

1. Bad loan funded amount:

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

WHERE loan\_status = 'Charged Off'



1. Bad loan amount received:

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

A close-up of a receipt

Description automatically generatedWHERE loan\_status = 'Charged Off'

1. 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

A screenshot of a receipt

Description automatically generated loan\_status

1. 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

A screenshot of a computer

Description automatically generated

1. Month:

SELECT

MONTH(issue\_date) AS Month\_Number

, 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\_loan\_data

GROUP BY

DATENAME(MONTH, issue\_date)

, MONTH(issue\_date)

ORDER BY

A screenshot of a data

Description automatically generated MONTH(issue\_date)

1. Regional Analysis by State

SELECT

address\_state

, COUNT(id) AS Total\_Loan\_Applications

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

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

FROM

bank\_loan\_data

GROUP BY

address\_state

ORDER BY

A screenshot of a cell phone

Description automatically generated SUM(loan\_amount) DESC

1. Loan Term Analysis:
2. SELECT

term

, COUNT(id) AS Total\_Loan\_Applications

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

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

FROM

bank\_loan\_data

GROUP BY

term

ORDER BY

A screenshot of a number

Description automatically generated term

1. Employee Length Analysis:

SELECT

emp\_length

, COUNT(id) AS Total\_Loan\_Applications

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

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

FROM

bank\_loan\_data

GROUP BY

emp\_length

ORDER BY

A screenshot of a computer

Description automatically generated emp\_length

1. Loan Purpose Breakdown:
2. SELECT

purpose

, COUNT(id) AS Total\_Loan\_Applications

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

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

FROM

bank\_loan\_data

GROUP BY

Purpose

ORDER BY

Purpose

A screenshot of a computer

Description automatically generated

1. Home Ownership Analysis:

SELECT

home\_ownership

, COUNT(id) AS Total\_Loan\_Applications

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

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

FROM

bank\_loan\_data

GROUP BY

home\_ownership

ORDER BY

COUNT(id) DESC

A white table with black text

Description automatically generated

1. SELECT

id,

loan\_amount,

issue\_date,

ROW\_NUMBER() OVER (PARTITION BY id ORDER BY issue\_date) AS RowNum,

RANK() OVER (ORDER BY loan\_amount) AS Rank1,

DENSE\_RANK() OVER (ORDER BY loan\_amount) AS DenseRank

FROM

bank\_loan\_data;

A table with numbers and letters

Description automatically generated