**BANK LOAN REPORT QUERIES**

**BANK LOAN REPORT | SUMMARY**

KPI’s:

**Total Loan Applications**

SELECT COUNT(id) AS Total\_Loan\_Application FROM Bank\_loan\_data

**MTD Loan application**

SELECT COUNT(id) AS MTD\_Total\_Application FROM Bank\_loan\_data

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



**PMTD Loan application**

SELECT COUNT(id) AS PMTD\_Total\_Application FROM Bank\_loan\_data

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



**Total Funded Amount**

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



**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



**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

****

**Total Amount Received**

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

****

**MTD Total Amount Received**

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

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

****

**PMTD Total Amount Received**

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

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

****

**Average Interest Rate**

SELECT AVG(int\_rate) \* 100 AS Avg\_Interest\_Rate FROM Bank\_loan\_data

****

**MTD Average Interest Rate**

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

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

****

**PMTD Average Interest Rate**

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

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

****

**Avg DTI**

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

****

**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

****

**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

****

**GOOD LOAN**

**Good loan Percentages**

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

COUNT(id) AS Good\_loan\_Percentages

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 Total Received Amount**

SELECT SUM(total\_payment) AS Good\_loan\_Received\_Amount FROM Bank\_loan\_data

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



**Bad Loan**

**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 Total Received Amount**

SELECT SUM(total\_payment) AS Bad\_Loan\_Received\_Amount FROM Bank\_loan\_data

WHERE loan\_status = 'Charged off'

****

**LOAN STATUS**

SELECT

loan\_status,

COUNT(id) AS Loan\_Applications,

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

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

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

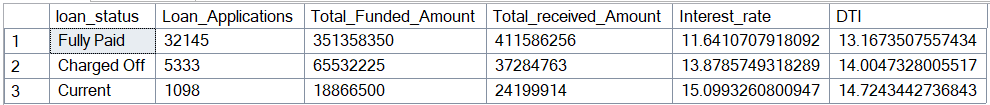
AVG(dti)\* 100 AS DTI

FROM

Bank\_loan\_data

GROUP BY

loan\_status

****

**MTD Loan Status**

SELECT

loan\_status,

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

SUM(total\_payment) AS MTD\_Total\_received\_Amount

FROM

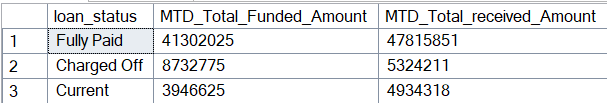
Bank\_loan\_data

WHERE

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

GROUP BY

loan\_status

****

**PMTD Loan Status**

SELECT

loan\_status,

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

SUM(total\_payment) AS MTD\_Total\_received\_Amount

FROM

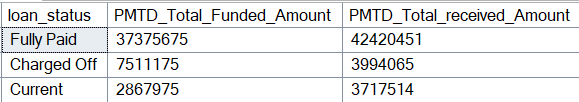
Bank\_loan\_data

WHERE

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

GROUP BY

loan\_status

****

**BANK LOAN REPORT | OVERVIEW**

**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,

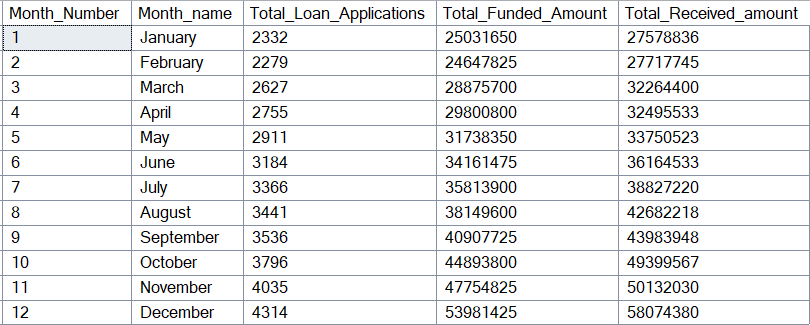
SUM(total\_payment) AS Total\_Received\_amount

FROM

Bank\_loan\_data

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

ORDER BY MONTH(issue\_date)

****

**State**

SELECT

address\_state,

COUNT(id) AS Total\_Loan\_Applications,

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

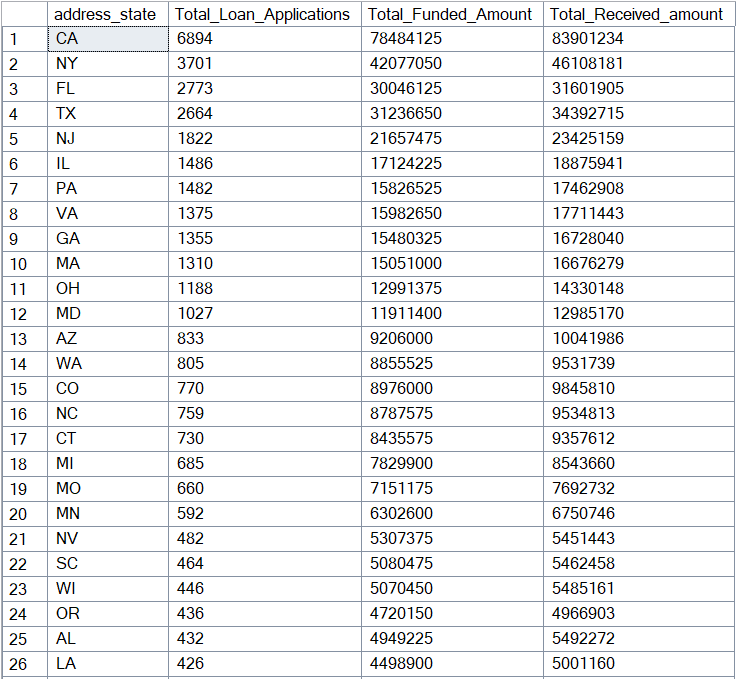
SUM(total\_payment) AS Total\_Received\_amount

FROM

Bank\_loan\_data

GROUP BY address\_state

ORDER BY COUNT(id) DESC

****

**TERM**

SELECT

term,

COUNT(id) AS Total\_Loan\_Applications,

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

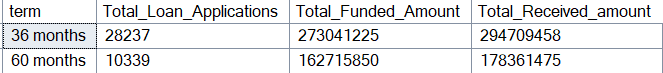
SUM(total\_payment) AS Total\_Received\_amount

FROM

Bank\_loan\_data

GROUP BY term

ORDER BY term



**EMPLOYEE LENGTH**

SELECT

emp\_length,

COUNT(id) AS Total\_Loan\_Applications,

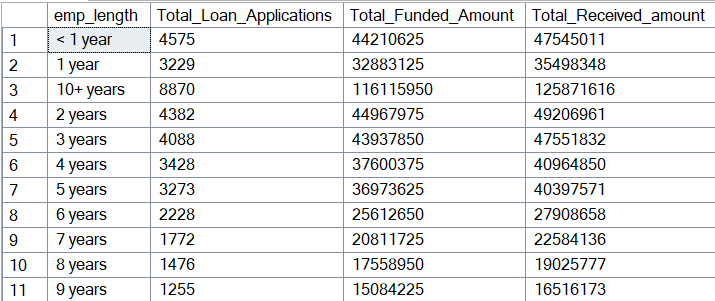
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM

Bank\_loan\_data

GROUP BY emp\_length

ORDER BY emp\_length 

**PURPOSE**

SELECT

purpose,

COUNT(id) AS Total\_Loan\_Applications,

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

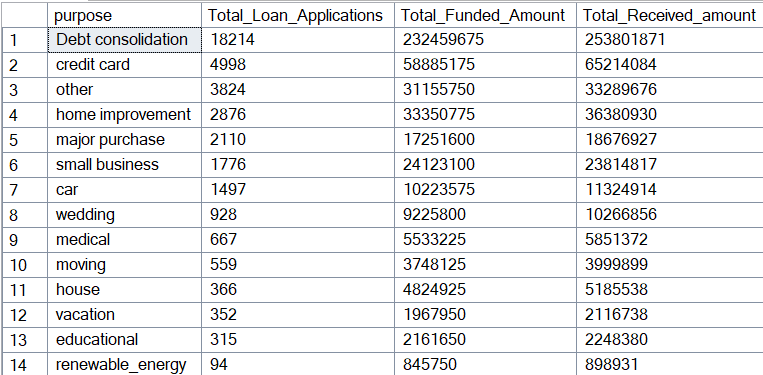
SUM(total\_payment) AS Total\_Received\_amount

FROM

Bank\_loan\_data

GROUP BY purpose

ORDER BY COUNT(id) DESC

****

**HOME OWNERSHIP**

SELECT

home\_ownership,

COUNT(id) AS Total\_Loan\_Applications,

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

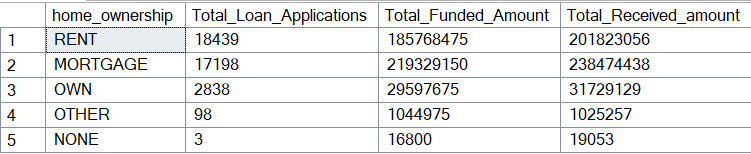
SUM(total\_payment) AS Total\_Received\_amount

FROM

Bank\_loan\_data

GROUP BY home\_ownership

ORDER BY COUNT(id) DESC

****