# BANK LOAN REPORT QUERY DOCUMENT

1. **BANK LOAN REPORT | SUMMARY**

## **KPI’s:**

**Total Loan Applications**

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

****

**MTD Loan Applications**

**SELECT COUNT(id) AS MTD\_Total\_Loan\_Applications FROM bank\_loan\_data**

**WHERE MONTH(issue\_date)=(SELECT MAX(MONTH(issue\_date)) from bank\_loan\_data)**

**AND YEAR(issue\_date)= (SELECT MAX(YEAR(issue\_date)) from bank\_loan\_data);**

****

**PMTD Loan Applications**

**SELECT COUNT(id) AS PMTD\_Total\_Loan\_Applications FROM bank\_loan\_data**

**WHERE MONTH(issue\_date)=(SELECT MAX(MONTH(issue\_date)) from bank\_loan\_data) -1**

**AND YEAR(issue\_date)= (SELECT MAX(YEAR(issue\_date)) from bank\_loan\_data);**

****

**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 ISSUED**

**Good Loan Percentage**

**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;**

****

**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 ISSUED**

**Bad Loan Percentage**

**SELECT**

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

**/**

**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 Loan\_Count,**

**SUM(total\_payment) AS Total\_amount\_received,**

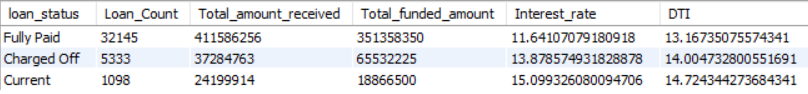
**SUM(loan\_amount) AS Total\_funded\_amount,**

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

**AVG(dti)\*100 AS DTI**

**FROM bank\_loan\_data**

**GROUP BY loan\_status;**

****

**SELECT**

**loan\_status,**

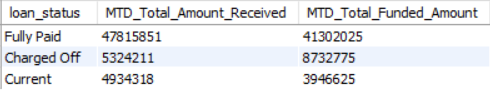
**SUM(total\_payment) AS MTD\_Total\_Amount\_Received,**

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

**FROM bank\_loan\_data**

**WHERE MONTH(issue\_date) = 12**

**GROUP BY loan\_status;**

****

1. **BANK LOAN REPORT | OVERVIEW**

**MONTH**

**SELECT**

**MONTH(issue\_date) as Month\_Number,**

**MONTHNAME(issue\_date) AS Month\_Name,**

**COUNT(id) AS Total\_Loan\_Applications,**

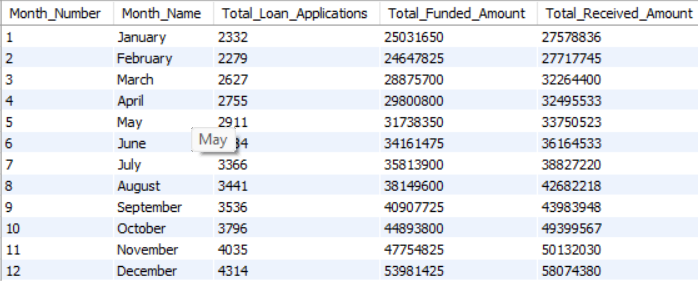
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM bank\_loan\_data**

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

**ORDER BY MONTH(issue\_date);**

****

**STATE**

**SELECT**

**address\_state as State,**

**COUNT(id) AS Total\_Loan\_Applications,**

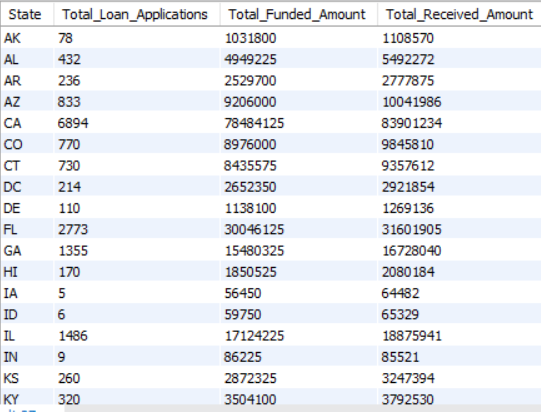
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM bank\_loan\_data**

**GROUP BY address\_state**

**ORDER BY address\_state;**

****

**TERM**

**SELECT**

**term,**

**COUNT(id) AS Total\_Loan\_Applications,**

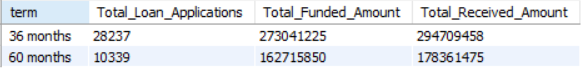
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM bank\_loan\_data**

**GROUP BY term**

**ORDER BY term;**

****

**EMPLOYEE LENGTH**

**SELECT**

**emp\_length AS Employee\_Length,**

**COUNT(id) AS Total\_Loan\_Applications,**

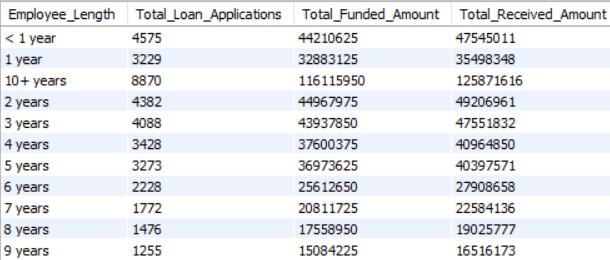
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM bank\_loan\_data**

**GROUP BY emp\_length**

**ORDER BY emp\_length;**

****

**PURPOSE**

**SELECT**

**purpose AS PURPOSE,**

**COUNT(id) AS Total\_Loan\_Applications,**

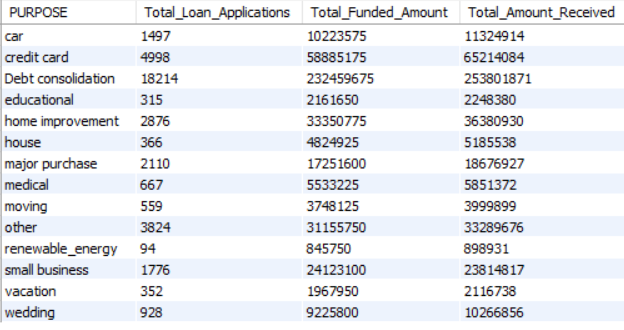
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM bank\_loan\_data**

**GROUP BY purpose**

**ORDER BY purpose;**

****

**HOME OWNERSHIP**

**SELECT**

**home\_ownership AS Home\_Ownership,**

**COUNT(id) AS Total\_Loan\_Applications,**

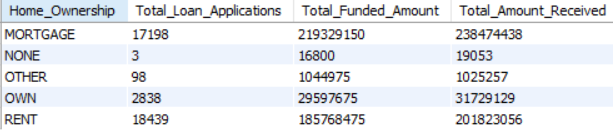
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM bank\_loan\_data**

**GROUP BY home\_ownership**

**ORDER BY home\_ownership;**

****