**BANK LOAN REPORT QUERY DOCUMENT**

**A.BANK LOAN REPORT|SUMMARY**

**KPI’S:**

**Total Loan Applications**

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

****

**MTD Loan Applications**

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

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

****

**PMTD Loan Applications**

**SELECT COUNT(id) AS PMTD\_Total\_loan\_Applications 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**

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

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

****

**PMTD Average Interest**

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

**WHERE MONTH(issue\_date) = 11**

****

**Avg DTI**

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

****

**MTD Avg DTI**

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

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

****

**PMTD Avg DTI**

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

**WHERE MONTH(issue\_date) = 11**

****

**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\_Funded\_received FROM bank\_loan\_data**

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

****

**BAD LOAN ISSUED**

**Bad Loan Applications**

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

**WHERE loan\_status = 'Charged Off'**

****

**Bad Load 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,**

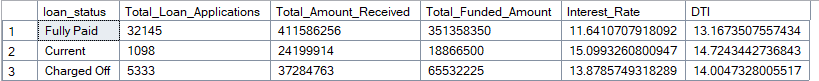
**AVG(dti \* 100) AS DTI**

**FROM**

**bank\_loan\_data**

**GROUP BY**

**loan\_status**

****

**SELECT**

**loan\_status,**

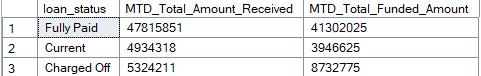
**SUM(total\_payment) AS MTD\_Total\_Amount\_Received,**

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

**FROM bank\_loan\_data**

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

**GROUP BY loan\_status**

****

**B. 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,**

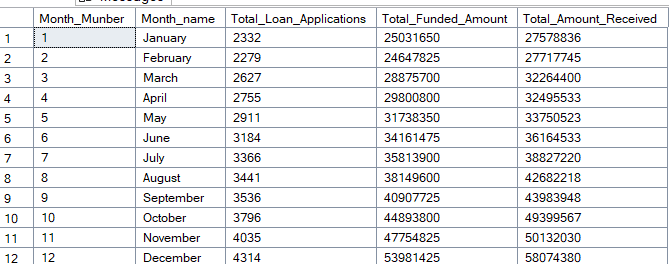
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

**SUM(total\_payment) AS Total\_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,**

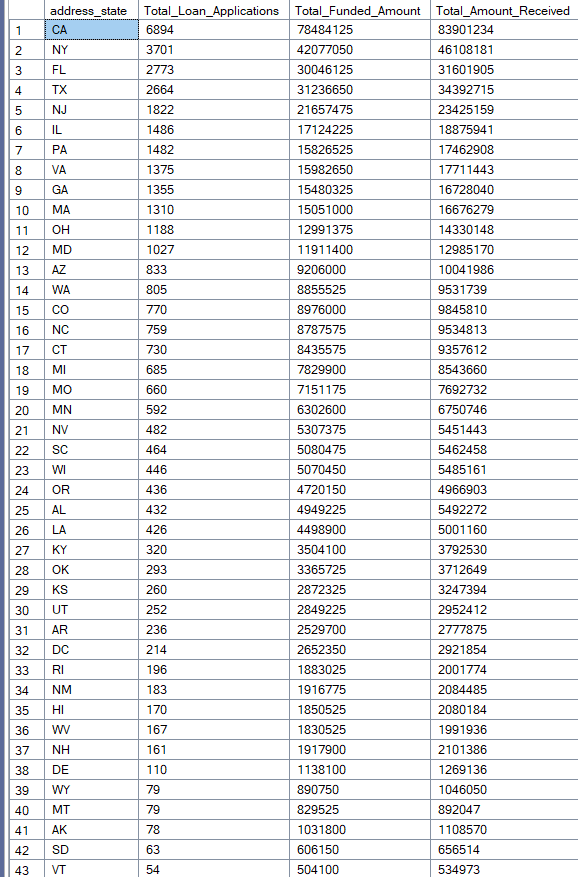
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

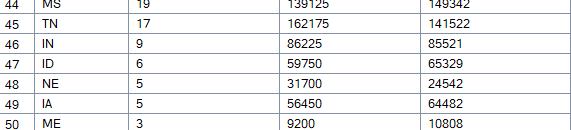
**SUM(total\_payment) AS Total\_Amount\_Received**

**FROM bank\_loan\_data**

**GROUP BY address\_state**

**ORDER BY address\_state**

****

****

**TERM**

**SELECT**

**term,**

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

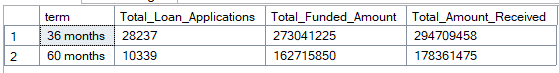
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM bank\_loan\_data**

**GROUP BY term**

**ORDER BY term**

****

**EMPLOYEE LENGTH**

**SELECT**

**emp\_length,**

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

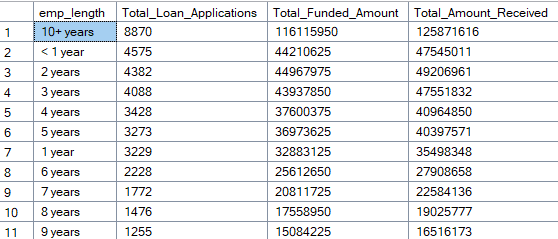
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM bank\_loan\_data**

**GROUP BY emp\_length**

**ORDER BY COUNT(id) DESC**

****

**PURPOSE**

**SELECT**

**purpose,**

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

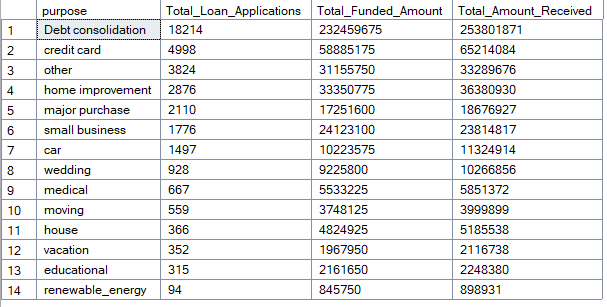
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM bank\_loan\_data**

**GROUP BY purpose**

**ORDER BY COUNT(id) DESC**

****

**HOME OWNERSHIP**

**SELECT**

**home\_ownership,**

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

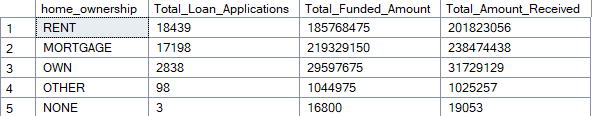
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM bank\_loan\_data**

**GROUP BY home\_ownership**

**ORDER BY COUNT(id) DESC**

****

**The results when we hit the Grade A in the filters for dashboards**

**SELECT**

**home\_ownership,**

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

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

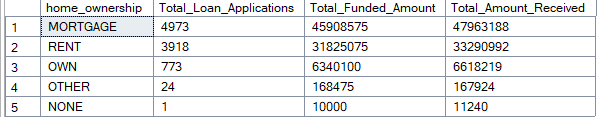
**SUM(total\_payment) AS Total\_Amount\_Received**

**FROM bank\_loan\_data**

**WHERE grade = 'A'**

**GROUP BY home\_ownership**

**ORDER BY COUNT(id) DESC**

****