**BANK LOAN REPORT QUERY DOCUMENT**

1. **BANK LOAN REPORT | SUMMARY**

**KPI’s:**

**Total Loan Applications**

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

****

**MTD Loan Applications**

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

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

****

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

****

**MTD Average Interest**

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

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

****

**PMTD Average Interest**

**SELECT AVG(int\_rate)\*100 AS PMTD\_Avg\_Int\_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 MTD\_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) \* 100.0) /**

**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 ISSUED**

**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 LoanCount,**

**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\_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 address\_state**

****

**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 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**

****

***Note: We have applied multiple Filters on all the dashboards. You can check the results for the filters as well by modifying the query and comparing the results.***

***For e.g***

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

***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***

***WHERE grade = 'A'***

***GROUP BY purpose***

***ORDER BY purpose***