**BANK LOAN REPORT QUERY DOCUMENT**

1. **BANK LOAN REPORT | SUMMARY**

**KPI’S:**

**Total Loan Applications**

**SELECT COUNT(id) Total\_Loan\_Applications FROM financial\_loan;**

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**MTD\_Total Loan Applications**

**SELECT COUNT(id) MTD\_Total\_Loan\_Applications FROM financial\_loan**

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

****

**PMTD\_Total Loan Applications**

**SELECT COUNT(id) PMTD\_Total\_Loan\_Applications FROM financial\_loan**

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

****

**Total Funded Amount**

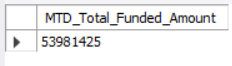
**SELECT SUM(loan\_amount) Total\_Funded\_Amount FROM financial\_loan;**

****

**MTD\_Total Funded Amount**

SELECT SUM**(Loan\_Amount) MTD\_Total\_Funded\_Amount** FROM **financial\_loan**

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



**PMTD\_Total Funded Amount**

SELECT SUM**(Loan\_Amount) PMTD\_Total\_Funded\_Amount** FROM **financial\_loan**

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



**Total Amount Received**

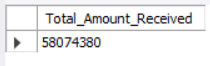
SELECT SUM**(total\_payment) Total\_Amount\_Received** FROM **financial\_loan;**



**MTD\_Total Amount Received**

SELECT SUM**(total\_payment) MTDTotal\_Amount\_Received** FROM **financial\_loan**

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



**PMTD\_Total Amount Received**

SELECT SUM**(total\_payment) PMTD\_Total\_Amount\_Received** FROM **financial\_loan**

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



**Average Interest Rate**

SELECT AVG**(int\_rate)\*100 Average\_Interest\_Rate** FROM **financial\_loan;**

****

**MTD\_Average Interest Rate**

**SELECT AVG(int\_rate)\*100 MTD\_Average\_Interest\_Rate FROM financial\_loan**

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



**PMTD\_Average Interest Rate**

**SELECT AVG(int\_rate)\*100 PMTD\_Average\_Interest\_Rate FROM financial\_loan**

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

****

**Average Debt-to-Income Ratio (DTI)**

**SELECT AVG(dti)\*100 Average\_Debt\_to\_Income\_Ratio FROM financial\_loan;**

****

**MTD\_Average Debt-to-Income Ratio (DTI)**

**SELECT AVG(dti)\*100 MTD\_Average\_Debt\_to\_Income\_Ratio FROM financial\_loan**

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

****

**PMTD\_Average Debt-to-Income Ratio (DTI)**

**SELECT AVG(dti)\*100 PMTD\_Average\_Debt\_to\_Income\_Ratio FROM financial\_loan**

**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) Good\_loan\_percentage from financial\_loan;**

****

**Good Loan Application**

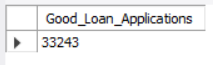
**SELECT COUNT(id) Good\_Loan\_Applications from financial\_loan**

**WHERE loan\_status="Fully Paid" OR loan\_status="Current";**

**OR**

**SELECT COUNT(id) Good\_Loan\_Applications from financial\_loan**

**WHERE loan\_status IN("Fully Paid" ,"Current");**

****

**Good Loan Funded Amount**

**SELECT SUM(loan\_amount) Good\_Loan\_Funded\_Amount from financial\_loan**

**WHERE loan\_status="Fully Paid" OR loan\_status="Current";**

**OR**

**SELECT SUM(loan\_amount) Good\_Loan\_Funded\_Amount from financial\_loan**

**WHERE loan\_status IN("Fully Paid" ,"Current");**

****

**Good Loan Total Received Amount**

**SELECT SUM(total\_payment) Good\_Loan\_Total\_Received\_Amount from financial\_loan**

**WHERE loan\_status="Fully Paid" OR loan\_status="Current";**

**OR**

**SELECT SUM(total\_payment) Good\_Loan\_Total\_Received\_Amount from financial\_loan**

**WHERE loan\_status IN("Fully Paid" ,"Current");**

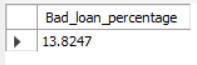
****

**BAD LOAN ISSUED**

**Bad Loan Percentage**

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

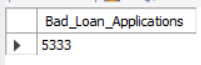
**/ COUNT(id) Bad\_loan\_percentage from financial\_loan;**

****

**Bad Loan Application**

**SELECT COUNT(id) Bad\_Loan\_Applications from financial\_loan**

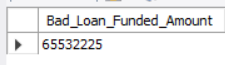
**WHERE loan\_status="Charged Off";**

****

**Bad Loan Funded Amount**

**SELECT SUM(loan\_amount) Bad\_Loan\_Funded\_Amount from financial\_loan**

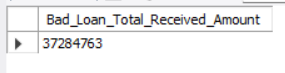
**WHERE loan\_status="Charged Off";**

****

**Bad Loan Total Received Amount**

**SELECT SUM(total\_payment) Bad\_Loan\_Total\_Received\_Amount from financial\_loan**

**WHERE loan\_status="Charged Off";**

****

**Loan Status Grid View**

**SELECT**

**loan\_status,**

**COUNT(id) Total\_loan\_Application,**

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

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

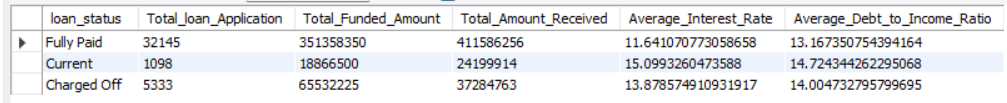
**AVG(int\_rate \* 100) Average\_Interest\_Rate,**

**AVG(dti \* 100) Average\_Debt\_to\_Income\_Ratio**

**FROM financial\_loan**

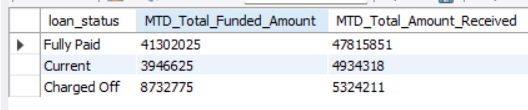
**GROUP BY loan\_status**

**ORDER BY loan\_status DESC;**

****

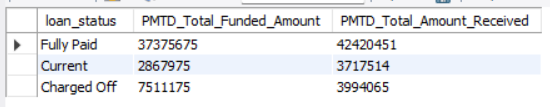
**SELECT loan\_status, SUM(loan\_amount) MTD\_Total\_Funded\_Amount, SUM(total\_payment) MTD\_Total\_Amount\_Received**

**FROM financial\_loan WHERE MONTH(issue\_date)= 12 AND YEAR(issue\_date)=2021 GROUP BY loan\_status ORDER BY loan\_status DESC;**



**SELECT** **loan\_status,** **SUM(loan\_amount) PMTD\_Total\_Funded\_Amount,** **SUM(total\_payment) PMTD\_Total\_Amount\_Received**

**from** **financial\_loan** **WHERE** **MONTH(issue\_date)= 11** **AND** **YEAR(issue\_date)=2021** **group** **by** **loan\_status** **order** **by** **loan\_status desc;**



1. **BANK LOAN REPORT | OVERVIEW**

**Monthly Trends by Issue Date**

**SELECT MONTH(issue\_date) AS Month\_Num,**

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

**COUNT(id) AS Total\_loan\_Application,**

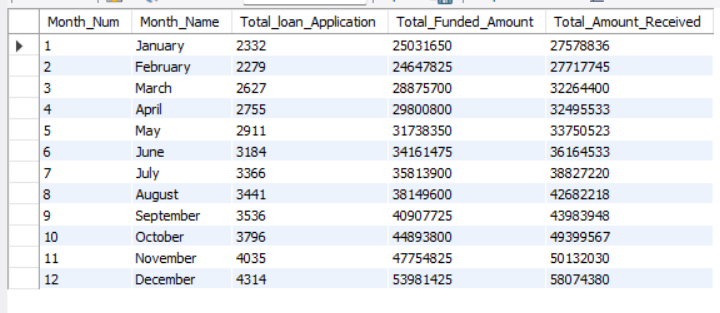
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM financial\_loan**

**GROUP BY Month\_Num , Month\_Name**

**ORDER BY Month\_Num;**

****

**Regional Analysis by State**

**SELECT address\_state AS States,**

**COUNT(id) AS Total\_loan\_Application,**

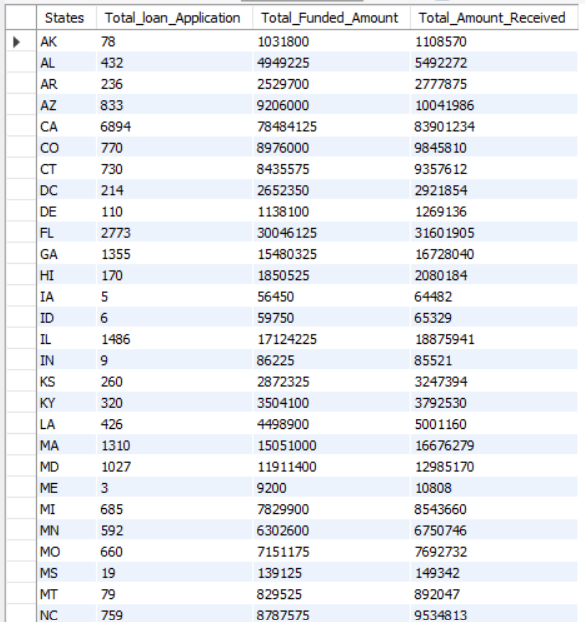
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM financial\_loan**

**GROUP BY address\_state**

**ORDER BY address\_state;**

****

**Loan Term Analysis**

**SELECT term AS Term,**

**COUNT(id) AS Total\_loan\_Application,**

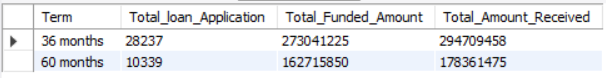
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM financial\_loan**

**GROUP BY term**

**ORDER BY term;**

****

**Employee Length Analysis**

**SELECT emp\_length,**

**COUNT(id) AS Total\_loan\_Application,**

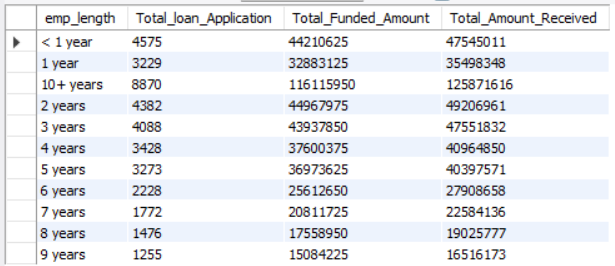
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM financial\_loan**

**GROUP BY emp\_length,**

**ORDER BY emp\_length;**

****

**Loan Purpose Breakdown**

**SELECT purpose,**

**COUNT(id) AS Total\_loan\_Application,**

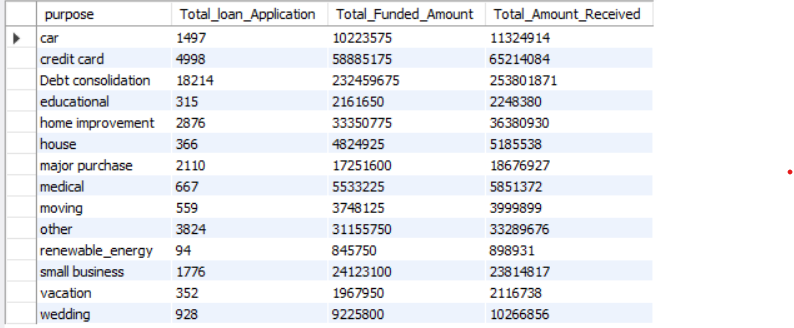
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM financial\_loan**

**GROUP BY purpose,**

**ORDER BY purpose;**

****

**Home Ownership Analysis**

**SELECT home\_ownership,**

**COUNT(id) AS Total\_loan\_Application,**

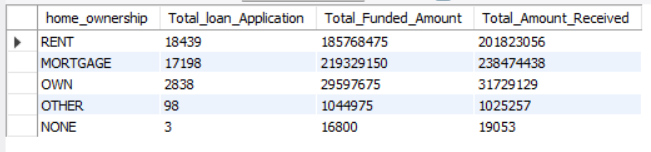
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM financial\_loan**

**GROUP BY home\_ownership,**

**ORDER BY COUNT(id) DESC;**

****