**BANK LOAN REPORT QUERY DOCUMENT**

1. **BANK LOAN REPORT | SUMMARY**

**KPI’s:**

**Total Loan Applications**

SELECTCOUNT(id)AS Total\_Applications FROM bank\_loan\_data



**MTD Loan Applications**

SELECTCOUNT(id)AS Total\_Applications FROM bank\_loan\_data

WHEREMONTH(issue\_date)= 12



**PMTD Loan Applications**  
SELECTCOUNT(id)AS Total\_Applications FROM bank\_loan\_data

WHEREMONTH(issue\_date)= 11



**Total Funded Amount**

SELECTSUM(loan\_amount)AS Total\_Funded\_Amount FROM bank\_loan\_data



**MTD Total Funded Amount**

SELECTSUM(loan\_amount)AS Total\_Funded\_Amount FROM bank\_loan\_data

WHEREMONTH(issue\_date)= 12



**PMTD Total Funded Amount**

SELECTSUM(loan\_amount)AS Total\_Funded\_Amount FROM bank\_loan\_data

WHEREMONTH(issue\_date)= 11



**Total Amount Received**

SELECTSUM(total\_payment)AS Total\_Amount\_Collected FROM bank\_loan\_data



**MTD Total Amount Received**

SELECTSUM(total\_payment)AS Total\_Amount\_Collected FROM bank\_loan\_data

WHEREMONTH(issue\_date)= 12



**PMTD Total Amount Received**

SELECTSUM(total\_payment)AS Total\_Amount\_Collected FROM bank\_loan\_data

WHEREMONTH(issue\_date)= 11



**Average Interest Rate**

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



**MTD Average Interest**

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

WHEREMONTH(issue\_date)= 12



**PMTD Average Interest**

SELECTAVG(int\_rate)\*100 AS PMTD\_Avg\_Int\_Rate FROM bank\_loan\_data

WHEREMONTH(issue\_date)= 11



**Avg DTI**

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



**MTD Avg DTI**

SELECTAVG(dti)\*100 AS MTD\_Avg\_DTI FROM bank\_loan\_data

WHEREMONTH(issue\_date)= 12



**PMTD Avg DTI**

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

WHEREMONTH(issue\_date)= 11



**GOOD LOAN ISSUED**

**Good Loan Percentage**

SELECT

(COUNT(CASEWHEN 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**

SELECTCOUNT(id)AS Good\_Loan\_Applications FROM bank\_loan\_data

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

****

**Good Loan Funded Amount**

SELECTSUM(loan\_amount)AS Good\_Loan\_Funded\_amount FROM bank\_loan\_data

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

****

**Good Loan Amount Received**

SELECTSUM(total\_payment)AS Good\_Loan\_amount\_received FROM bank\_loan\_data

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

****

**BAD LOAN ISSUED**

**Bad Loan Percentage**

SELECT

(COUNT(CASEWHEN loan\_status='Charged Off'THEN id END)\* 100.0)/

COUNT(id) AS Bad\_Loan\_Percentage

FROM bank\_loan\_data

****

**Bad Loan Applications**

SELECTCOUNT(id)AS Bad\_Loan\_Applications FROM bank\_loan\_data

WHEREloan\_status='Charged Off'

****

**Bad Loan Funded Amount**

SELECTSUM(loan\_amount)AS Bad\_Loan\_Funded\_amount FROM bank\_loan\_data

WHERE loan\_status='Charged Off'

****

**Bad Loan Amount Received**

SELECTSUM(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

GROUPBY 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

GROUPBY 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

GROUPBY MONTH(issue\_date),DATENAME(MONTH,issue\_date)

ORDERBY 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

GROUPBY address\_state

ORDERBY 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

GROUPBY term

ORDERBY 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

GROUPBY emp\_length

ORDERBY 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

GROUPBY purpose

ORDERBY 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

GROUPBY home\_ownership

ORDERBY home\_ownership

****

*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'*

*GROUPBY purpose*

*ORDERBY purpose*