**BANK LOAN REPORT QUERY DOCUMENT**

1. **BANK LOAN REPORT | SUMMARY**

**KPI’s:**

**Total Loan Applications**

SELECTCOUNT(id)ASTotal\_ApplicationsFROMbank\_loan\_data



**MTD Loan Applications**

SELECTCOUNT(id)ASTotal\_ApplicationsFROMbank\_loan\_data

WHEREMONTH(issue\_date)= 12



**PMTD Loan Applications**  
SELECTCOUNT(id)ASTotal\_ApplicationsFROMbank\_loan\_data

WHEREMONTH(issue\_date)= 11



**Total Funded Amount**

SELECTSUM(loan\_amount)ASTotal\_Funded\_AmountFROMbank\_loan\_data



**MTD Total Funded Amount**

SELECTSUM(loan\_amount)ASTotal\_Funded\_AmountFROMbank\_loan\_data

WHEREMONTH(issue\_date)= 12



**PMTD Total Funded Amount**

SELECTSUM(loan\_amount)ASTotal\_Funded\_AmountFROMbank\_loan\_data

WHEREMONTH(issue\_date)= 11



**Total Amount Received**

SELECTSUM(total\_payment)ASTotal\_Amount\_CollectedFROMbank\_loan\_data



**MTD Total Amount Received**

SELECTSUM(total\_payment)ASTotal\_Amount\_CollectedFROMbank\_loan\_data

WHEREMONTH(issue\_date)= 12



**PMTD Total Amount Received**

SELECTSUM(total\_payment)ASTotal\_Amount\_CollectedFROMbank\_loan\_data

WHEREMONTH(issue\_date)= 11



**Average Interest Rate**

SELECTAVG(int\_rate)\*100 ASAvg\_Int\_RateFROMbank\_loan\_data



**MTD Average Interest**

SELECTAVG(int\_rate)\*100 ASMTD\_Avg\_Int\_RateFROMbank\_loan\_data

WHEREMONTH(issue\_date)= 12



**PMTD Average Interest**

SELECTAVG(int\_rate)\*100 ASPMTD\_Avg\_Int\_RateFROMbank\_loan\_data

WHEREMONTH(issue\_date)= 11



**Avg DTI**

SELECTAVG(dti)\*100 ASAvg\_DTIFROMbank\_loan\_data



**MTD Avg DTI**

SELECTAVG(dti)\*100 ASMTD\_Avg\_DTIFROMbank\_loan\_data

WHEREMONTH(issue\_date)= 12



**PMTD Avg DTI**

SELECTAVG(dti)\*100 ASPMTD\_Avg\_DTIFROMbank\_loan\_data

WHEREMONTH(issue\_date)= 11



**GOOD LOAN ISSUED**

**Good Loan Percentage**

SELECT

(COUNT(CASEWHENloan\_status='Fully Paid'ORloan\_status='Current'THEN id END)\* 100.0)/

COUNT(id)ASGood\_Loan\_Percentage

FROMbank\_loan\_data

****

**Good Loan Applications**

SELECTCOUNT(id)ASGood\_Loan\_ApplicationsFROMbank\_loan\_data

WHEREloan\_status='Fully Paid'ORloan\_status='Current'

****

**Good Loan Funded Amount**

SELECTSUM(loan\_amount)ASGood\_Loan\_Funded\_amountFROMbank\_loan\_data

WHEREloan\_status='Fully Paid'ORloan\_status='Current'

****

**Good Loan Amount Received**

SELECTSUM(total\_payment)ASGood\_Loan\_amount\_receivedFROMbank\_loan\_data

WHEREloan\_status='Fully Paid'ORloan\_status='Current'

****

**BAD LOAN ISSUED**

**Bad Loan Percentage**

SELECT

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

COUNT(id)ASBad\_Loan\_Percentage

FROMbank\_loan\_data

****

**Bad Loan Applications**

SELECTCOUNT(id)ASBad\_Loan\_ApplicationsFROMbank\_loan\_data

WHEREloan\_status='Charged Off'

****

**Bad Loan Funded Amount**

SELECTSUM(loan\_amount)ASBad\_Loan\_Funded\_amountFROMbank\_loan\_data

WHEREloan\_status='Charged Off'

****

**Bad Loan Amount Received**

SELECTSUM(total\_payment)ASBad\_Loan\_amount\_receivedFROMbank\_loan\_data

WHEREloan\_status='Charged Off'

****

**LOAN STATUS**

SELECT

loan\_status,

COUNT(id)ASLoanCount,

SUM(total\_payment)ASTotal\_Amount\_Received,

SUM(loan\_amount)ASTotal\_Funded\_Amount,

AVG(int\_rate\* 100)ASInterest\_Rate,

AVG(dti\* 100)AS DTI

FROM

bank\_loan\_data

GROUPBY

loan\_status

****

SELECT

loan\_status,

SUM(total\_payment)ASMTD\_Total\_Amount\_Received,

SUM(loan\_amount)ASMTD\_Total\_Funded\_Amount

FROMbank\_loan\_data

WHEREMONTH(issue\_date)= 12

GROUPBYloan\_status

****

1. **BANK LOAN REPORT | OVERVIEW**

**MONTH**

SELECT

MONTH(issue\_date)ASMonth\_Munber,

DATENAME(MONTH,issue\_date)ASMonth\_name,

COUNT(id)ASTotal\_Loan\_Applications,

SUM(loan\_amount)ASTotal\_Funded\_Amount,

SUM(total\_payment)ASTotal\_Amount\_Received

FROMbank\_loan\_data

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

ORDERBYMONTH(issue\_date)

****

**STATE**

SELECT

address\_stateASState,

COUNT(id)ASTotal\_Loan\_Applications,

SUM(loan\_amount)ASTotal\_Funded\_Amount,

SUM(total\_payment)ASTotal\_Amount\_Received

FROMbank\_loan\_data

GROUPBYaddress\_state

ORDERBYaddress\_state

****

**TERM**

SELECT

term AS Term,

COUNT(id)ASTotal\_Loan\_Applications,

SUM(loan\_amount)ASTotal\_Funded\_Amount,

SUM(total\_payment)ASTotal\_Amount\_Received

FROMbank\_loan\_data

GROUPBY term

ORDERBY term

****

**EMPLOYEE LENGTH**

SELECT

emp\_lengthAS Employee\_Length,

COUNT(id)ASTotal\_Loan\_Applications,

SUM(loan\_amount)ASTotal\_Funded\_Amount,

SUM(total\_payment)ASTotal\_Amount\_Received

FROMbank\_loan\_data

GROUPBYemp\_length

ORDERBYemp\_length

****

**PURPOSE**

SELECT

purpose AS PURPOSE,

COUNT(id)ASTotal\_Loan\_Applications,

SUM(loan\_amount)ASTotal\_Funded\_Amount,

SUM(total\_payment)ASTotal\_Amount\_Received

FROMbank\_loan\_data

GROUPBY purpose

ORDERBY purpose

****

**HOME OWNERSHIP**

SELECT

home\_ownershipASHome\_Ownership,

COUNT(id)ASTotal\_Loan\_Applications,

SUM(loan\_amount)ASTotal\_Funded\_Amount,

SUM(total\_payment)ASTotal\_Amount\_Received

FROMbank\_loan\_data

GROUPBYhome\_ownership

ORDERBYhome\_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)ASTotal\_Loan\_Applications,*

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

*SUM(total\_payment)ASTotal\_Amount\_Received*

*FROMbank\_loan\_data*

*WHERE grade ='A'*

*GROUPBY purpose*

*ORDERBY purpose*