**BANK LOAN REPORT QUERY DOCUMENT**

1. **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

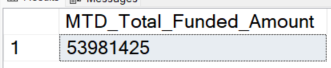
where month(issue\_date) = 11 and year(issue\_date) = 2021  


**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 ROUND(avg(int\_rate),4)\*100 as MTD\_Avg\_Interest\_Rate From bank\_loan\_data  


**MTD Average Interest**

select ROUND(avg(int\_rate),4)\*100 as MTD\_Avg\_Interest\_Rate From bank\_loan\_data

WHERE MONTH(ISSUE\_DATE) = 12 AND YEAR(ISSUE\_DATE) = 2021  


**PMTD Average Interest**

select ROUND(avg(int\_rate),4)\*100 as PMTD\_Avg\_Interest\_Rate From bank\_loan\_data

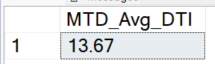
WHERE MONTH(ISSUE\_DATE) = 11 AND YEAR(ISSUE\_DATE) = 2021  


**Avg DTI**

select ROUND(avg(dti),4)\*100 as Avg\_DTI From bank\_loan\_data  


**MTD Avg DTI**

select ROUND(avg(dti),4)\*100 as MTD\_Avg\_DTI From bank\_loan\_data

WHERE MONTH(ISSUE\_DATE) = 12 AND YEAR(ISSUE\_DATE) = 2021  


**PMTD Avg DTI**

select ROUND(avg(dti),4)\*100 as PMTD\_Avg\_DTI From bank\_loan\_data

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) 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'  

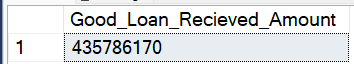

**Good Loan Funded Amount**

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\_Recieved\_Amount 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)/ 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\_Recieved\_Amount 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,

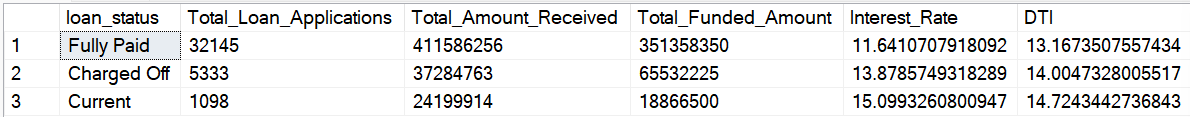
AVG(int\_rate \* 100) AS Interest\_Rate,

AVG(dti \* 100) AS DTI

FROM

bank\_loan\_data

GROUP BY

loan\_status  
****

SELECT

loan\_status,

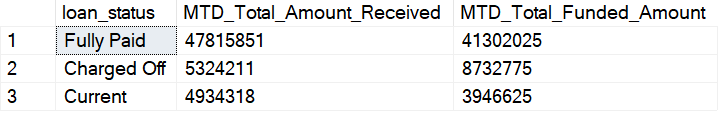
SUM(total\_payment) AS MTD\_Total\_Amount\_Received,

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

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12

GROUP BY loan\_status

****

1. **BANK LOAN REPORT | OVERVIEW**

**MONTH**

SELECT

MONTH(issue\_date) AS Month\_Munber,

DATENAME(MONTH, issue\_date) AS Month\_name,

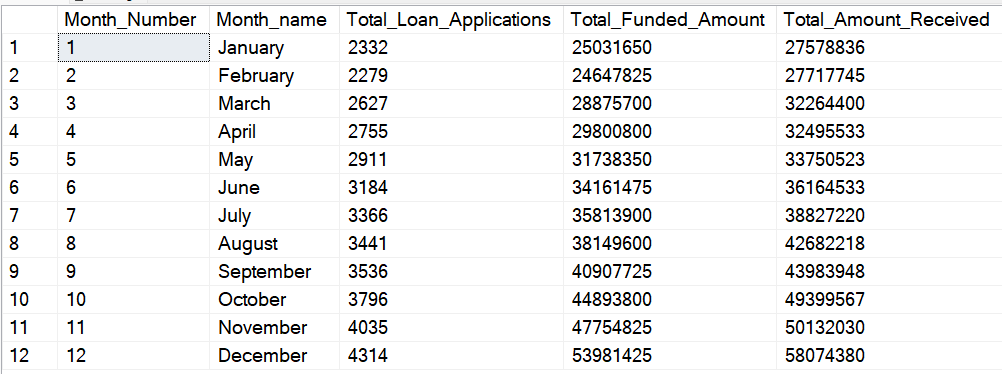
COUNT(id) AS Total\_Loan\_Applications,

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,

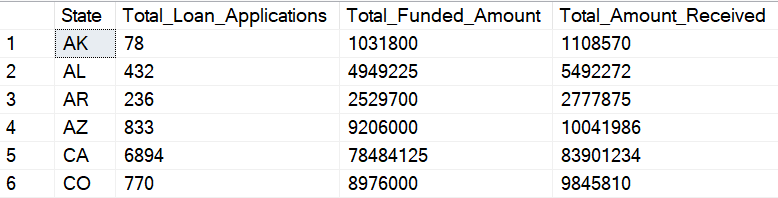
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY address\_state

ORDER BY address\_state

****

**TERM**

SELECT

term AS Term,

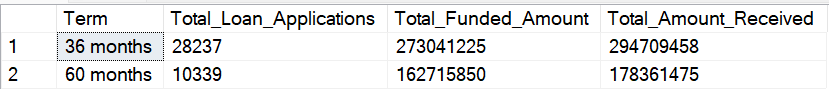
COUNT(id) AS Total\_Loan\_Applications,

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,

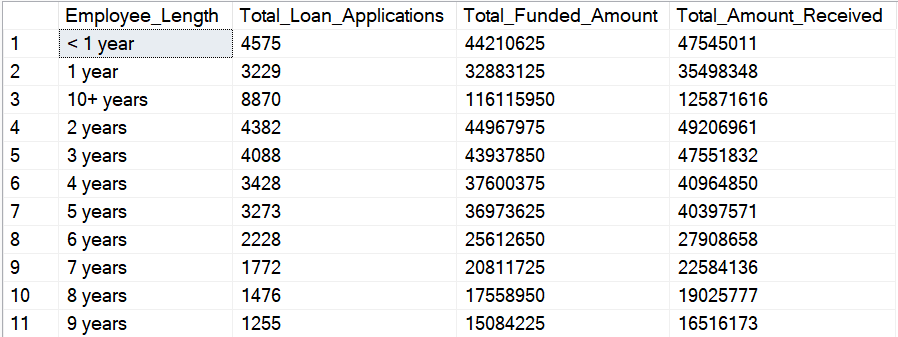
COUNT(id) AS Total\_Loan\_Applications,

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,

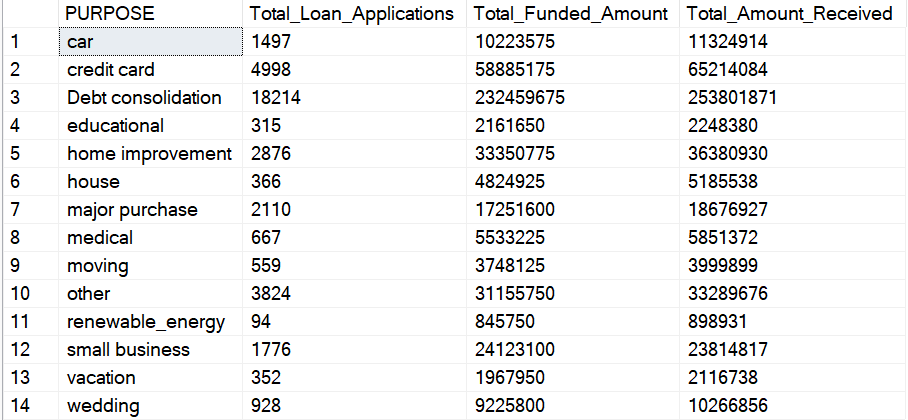
COUNT(id) AS Total\_Loan\_Applications,

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  
