**BANK LOAN REPORT QUERY DOCUMENT**

1. **BANK LOAN REPORT | SUMMARY**SELECT \* FROM bank\_loan\_data

**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 MTD\_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 AVG(int\_rate)\*100 AS Average\_Interest\_Rate FROM bank\_loan\_data

****  
  
 **MTD Average Interest Rate**

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

WHERE MONTH(issue\_date) = 12 and YEAR(issue\_date) = 2021  
****  
**PMTD Average Interest Rate**

SELECT AVG(int\_rate)\*100 AS PMTD\_Average\_Interest\_Rate FROM bank\_loan\_data

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

**Average Debt to Income**SELECT AVG(dti)\*100 AS Average\_DTI FROM bank\_loan\_data  
  
**MTD Average Debt to Income**  
SELECT AVG(dti)\*100 AS MTD\_Average\_DTI FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12 and YEAR(issue\_date) = 2021  
****  
  
**PMTD Average Debt to Income**

SELECT AVG(dti)\*100 AS PMTD\_Average\_DTI FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11 and YEAR(issue\_date) = 2021

****

**Good Loan Application 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 Total Received Amount**SELECT SUM(total\_payment) AS Good\_Loan\_Received\_Amount FROM bank\_loan\_data

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


**Bad Loan Application 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 Total Received Amount**SELECT SUM(total\_payment) AS Bad\_Loan\_Received\_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,

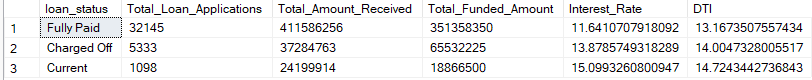
AVG(dti \* 100) AS DTI

FROM

bank\_loan\_data

GROUP BY

loan\_status



SELECT

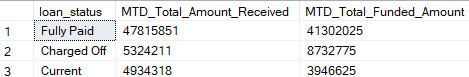
loan\_status,

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  


**B. BANK LOAN REPORT | OVERVIEW**  
  
**MONTH**

SELECT

MONTH(issue\_date) AS Month\_Number,

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

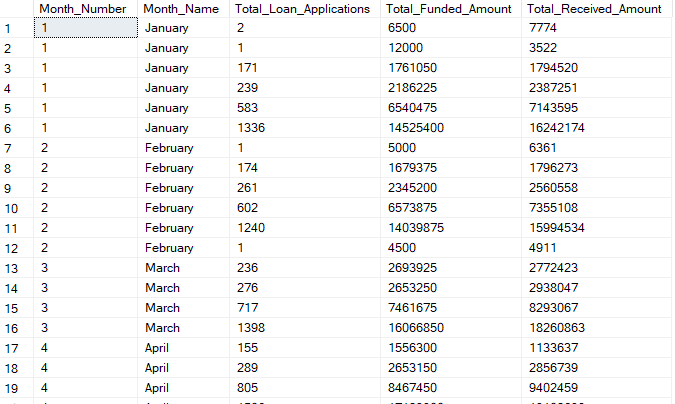
COUNT(id) AS Total\_Loan\_Applications,

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

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

FROM bank\_loan\_data

GROUP BY issue\_date, DATENAME(MONTH, issue\_date)

ORDER BY issue\_date  
  
  
**STATE**SELECT

address\_state AS State,

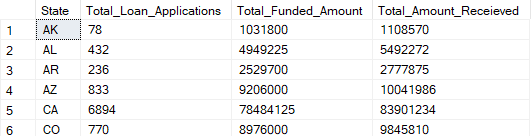
COUNT(id) AS Total\_Loan\_Applications,

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

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

FROM bank\_loan\_data

GROUP BY address\_state

ORDER BY address\_state  
  
  
  
**TERM LENGTH**SELECT

term AS Loan\_Term\_Length,

COUNT(id) AS Total\_Loan\_Applications,

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

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

FROM bank\_loan\_data

GROUP BY term

ORDER BY term  
  
  
**EMPLOYEE LENGTH**SELECT

emp\_length AS Employee\_Length,

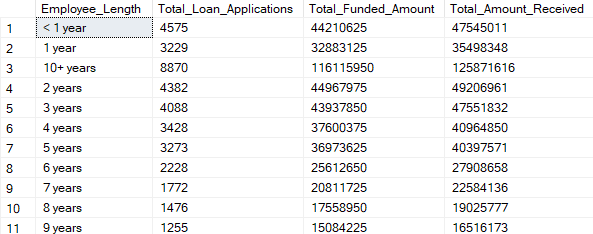
COUNT(id) AS Total\_Loan\_Applications,

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  


**Loan Purpose Breakdown**SELECT

purpose AS Purpose,

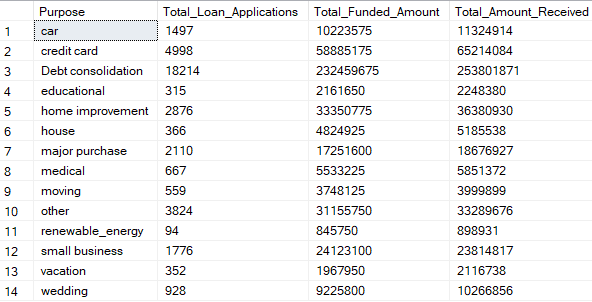
COUNT(id) AS Total\_Loan\_Applications,

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,

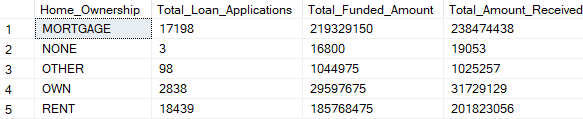
COUNT(id) AS Total\_Loan\_Applications,

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  
****  
  
**FILTERS**SELECT

home\_ownership AS Home\_Ownership,

COUNT(id) AS Total\_Loan\_Applications,

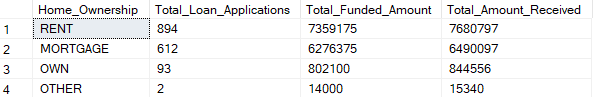
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

WHERE grade = 'A' and address\_state = 'CA'

GROUP BY Home\_Ownership

ORDER BY COUNT(id) DESC  
  
****