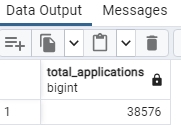
**BANK LOAN REPORT KEY PERFORMANCE INDICATORS**

1. **Total Loan Application**

SELECT distinct COUNT(id) AS Total\_Applications FROM bank\_loan\_data



1. MTD Loan Applications

select to\_char(issue\_date,'month') as issue\_month, count(distinct id) as total\_monthly\_applications from bank\_loan\_data

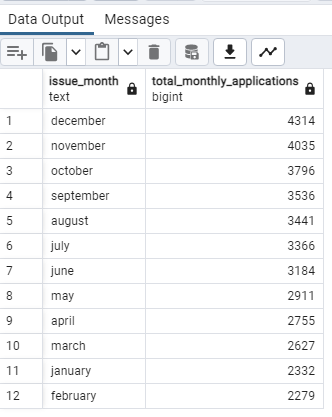
group by issue\_month

order by total\_monthly\_applications desc

OR

SELECT COUNT(id) AS MTD\_Total\_Applications FROM bank\_loan\_data

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



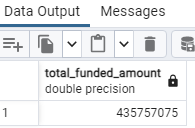
1. PMTD Loan Applications(Previous Month To Date, PMTD)

SELECT COUNT(id) AS Total\_Applications FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11

1. Total Funded Amount

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

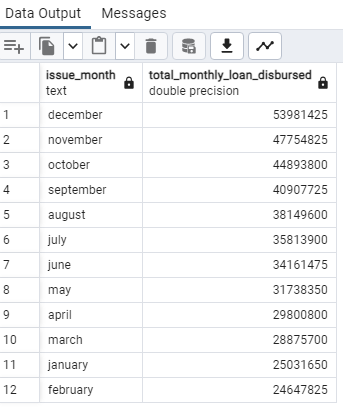


1. MTD Total Funded Amount

select to\_char(issue\_date,'month') as issue\_month, SUM(loan\_amount) as total\_monthly\_loan\_disbursed from bank\_loan\_data

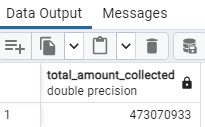
group by issue\_month

order by total\_monthly\_loan\_disbursed desc



1. Total Amount Received

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

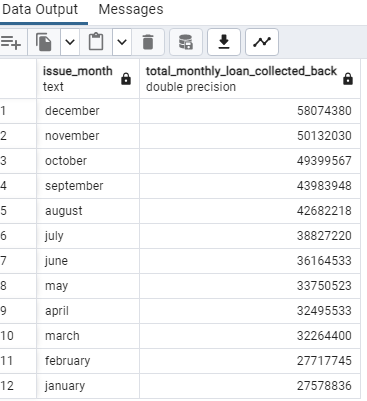


1. MTD Total Amount Received

select to\_char(issue\_date,'month') as issue\_month, SUM(total\_payment) as total\_monthly\_loan\_collected\_back from bank\_loan\_data

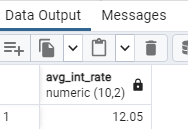
group by issue\_month

order by total\_monthly\_loan\_collected\_back desc



1. Average Interest Rate

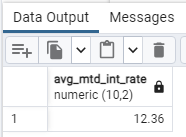
SELECT cast(AVG(int\_rate)\*100 as decimal(10,2)) AS Avg\_Int\_Rate FROM bank\_loan\_data



1. MTD Average Interest

SELECT cast(AVG(int\_rate)\*100 as decimal(10,2)) AS Avg\_mtd\_Int\_Rate FROM bank\_loan\_data

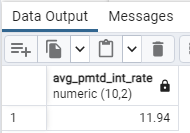
where date\_part('month', issue\_date)=12 and date\_part('year', issue\_date)=2021



1. Previous MTD Average Interest

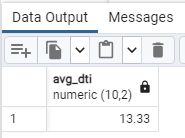
SELECT cast(AVG(int\_rate)\*100 as decimal(10,2)) AS Avg\_pmtd\_Int\_Rate FROM bank\_loan\_data

where date\_part('month', issue\_date)=11 and date\_part('year', issue\_date)=2021



1. Avg DTI

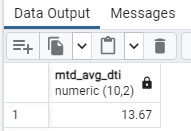
SELECT cast(AVG(dti)\*100 as decimal(10,2)) AS Avg\_DTI FROM bank\_loan\_data



1. MTD Avg DTI

SELECT cast(AVG(dti)\*100 as decimal(10,2)) AS MTD\_Avg\_DTI FROM bank\_loan\_data

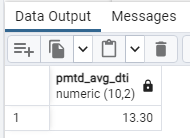
where date\_part('month', issue\_date)=12 and date\_part('year', issue\_date)=2021



1. PMTD Avg DTI

SELECT cast(AVG(dti)\*100 as decimal(10,2)) AS PMTD\_Avg\_DTI FROM bank\_loan\_data

where date\_part('month', issue\_date)=11 and date\_part('year', issue\_date)=2021

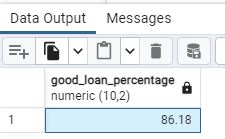


**GOOD LOAN ISSUED**

1. Good Loan Percentage

SELECT Cast((COUNT(CASE WHEN loan\_status = 'Fully Paid' OR loan\_status = 'Current' THEN id END) \* 100.0) / COUNT(id) as decimal(10,2)) AS Good\_Loan\_Percentage

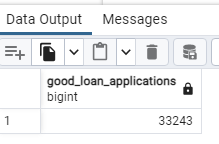
FROM bank\_loan\_data



1. Good Loan Application

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

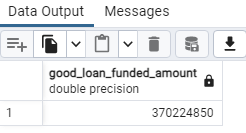
WHERE loan\_status = 'Fully Paid' OR loan\_status = 'Current'



1. Good Loan Funded Amount

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

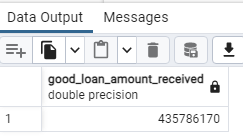
WHERE loan\_status = 'Fully Paid' OR loan\_status = 'Current'



1. Good Loan Amount Recieved

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

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



BAD ISSUED LOAN

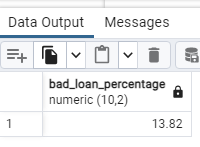
1. Bad Loan Percentage

SELECT

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

COUNT(id) as decimal(10,2)) AS Bad\_Loan\_Percentage

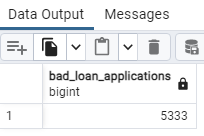
FROM bank\_loan\_data



1. Bad Loan Application

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

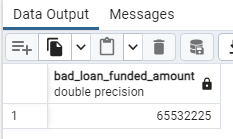
WHERE loan\_status = 'Charged Off'



1. Bad Loan Funded Amount

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

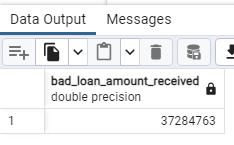
WHERE loan\_status = 'Charged Off'



1. Bad Loan Amount Received

SELECT SUM(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,

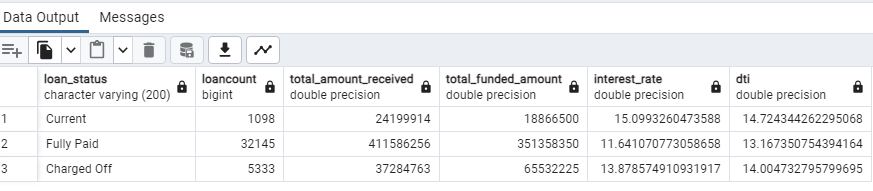
AVG(dti \* 100) AS DTI

FROM

bank\_loan\_data

GROUP BY

loan\_status



SELECT

loan\_status,

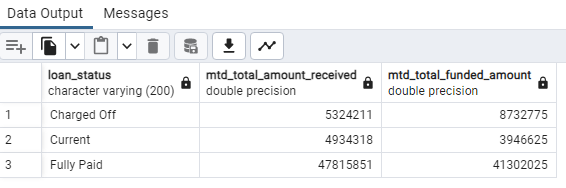
SUM(total\_payment) AS MTD\_Total\_Amount\_Received,

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

FROM bank\_loan\_data

where date\_part('month', issue\_date)=12

GROUP BY loan\_status



**BANK LOAN DETERMINANT REPORT**

MONTH

SELECT

to\_char(issue\_date,'month') as issue\_month,

COUNT(id) AS Total\_Loan\_Applications,

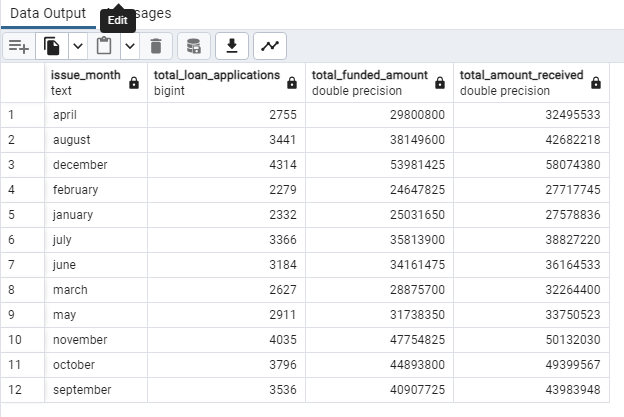
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY issue\_month

ORDER BY issue\_month



**STATE**

SELECT

address\_state AS State,

COUNT(id) AS Total\_Loan\_Applications,

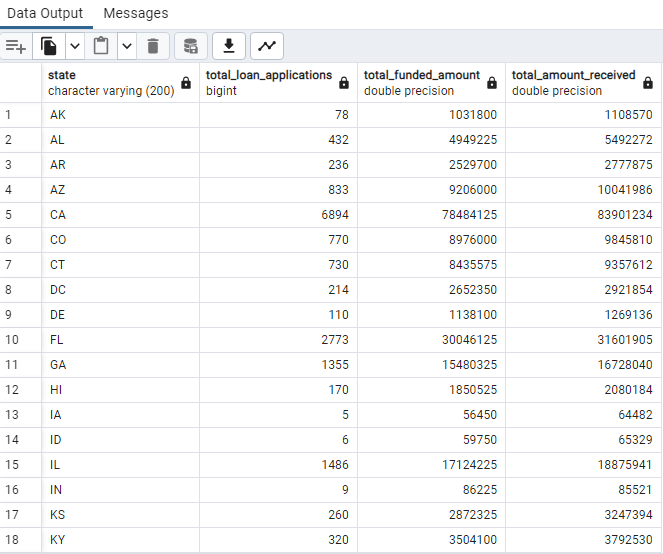
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY address\_state

ORDER BY address\_state



**TERMS OF PAYMENT**

SELECT

term AS Term,

COUNT(id) AS Total\_Loan\_Applications,

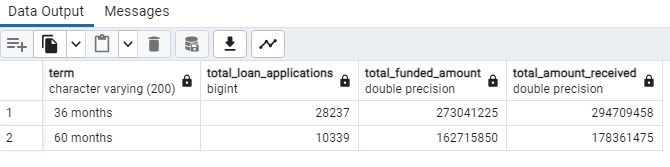
SUM(loan\_amount) AS Total\_Funded\_Amount,

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,

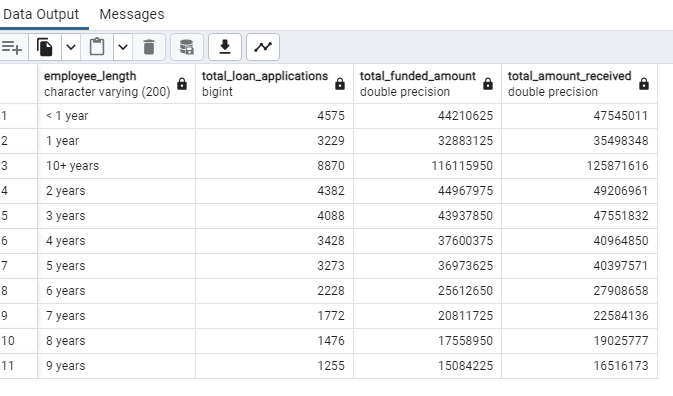
SUM(loan\_amount) AS Total\_Funded\_Amount,

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,

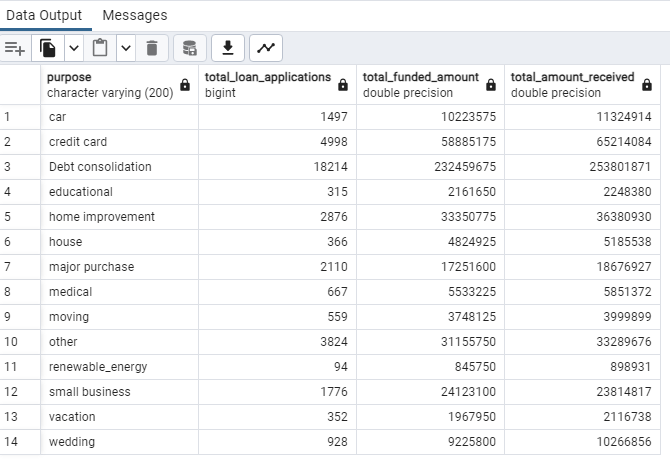
SUM(loan\_amount) AS Total\_Funded\_Amount,

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,

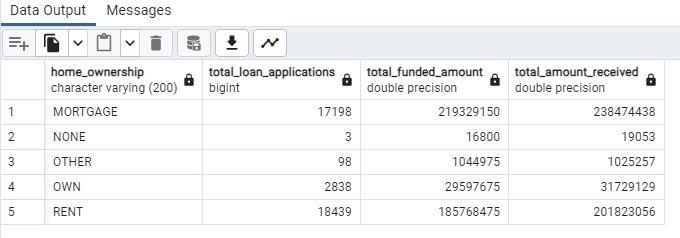
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY home\_ownership

ORDER BY home\_ownership



**SLICING GRADE BY 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

WHERE grade = 'A'

GROUP BY purpose

ORDER BY purpose

