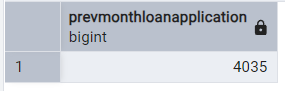
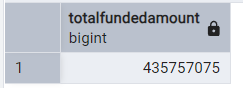


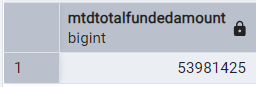
select COUNT(id) AS Total\_Loan\_Applications From bankloan1



SELECT COUNT(id) AS prevMonthLoanApplication FROM bankloan1 WHERE EXTRACT(MONTH FROM issue\_date) = 11 AND EXTRACT(YEAR FROM issue\_date) = 2021



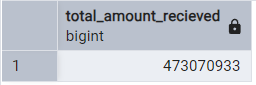
SELECT SUM(loan\_amount) AS TotalFundedAmount FROM bankloan1



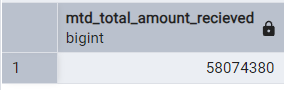
SELECT SUM(loan\_amount) AS MTDTotalFundedAmount FROM bankloan1 WHERE EXTRACT(MONTH FROM issue\_date) = 12 AND EXTRACT(YEAR FROM issue\_date) = 2021



SELECT SUM(loan\_amount) AS PMTD\_Total\_Funded\_Amount FROM bankloan1 WHERE EXTRACT(MONTH FROM issue\_date)= 11 AND EXTRACT(YEAR FROM issue\_date) = 2021



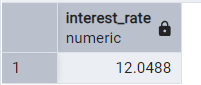
SELECT SUM(total\_payment) AS Total\_Amount\_Recieved FROM bankloan1



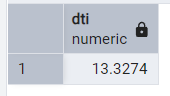
SELECT SUM(total\_payment) AS MTD\_Total\_Amount\_Recieved FROM bankloan1 WHERE EXTRACT(MONTH FROM issue\_date)=12 AND EXTRACT(YEAR FROM issue\_date)=2021



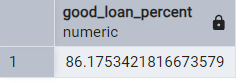
SELECT SUM(total\_payment) AS PMTD\_Total\_Amount\_Recieved FROM bankloan1 WHERE EXTRACT(MONTH FROM issue\_date)=11 AND EXTRACT(YEAR FROM issue\_date)=2021



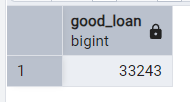
SELECT ROUND(CAST(AVG(int\_rate\*100)AS NUMERIC),4) AS Interest\_Rate FROM bankloan1



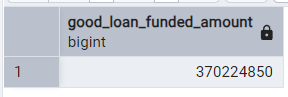
SELECT ROUND(CAST(AVG(dti\*100)AS NUMERIC),4) AS DTI FROM bankloan1



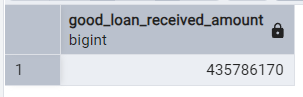
SELECT (COUNT(CASE WHEN loan\_status = 'Fully Paid' OR loan\_status = 'Current' THEN id END) \* 100.0) / COUNT(id) AS good\_loan\_percent FROM bankloan1;



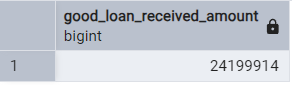
SELECT COUNT(id) AS Good\_Loan FROM bankloan1 WHERE loan\_status = 'Fully Paid' OR loan\_status = 'Current'



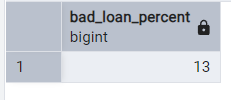
SELECT COUNT(id) AS Good\_Loan FROM bankloan1 WHERE loan\_status = 'Fully Paid' OR loan\_status = 'Current'



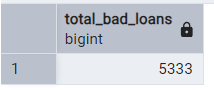
SELECT SUM(loan\_amount) AS Good\_Loan\_Funded\_Amount FROM bankloan1 WHERE loan\_status = 'Fully Paid' OR loan\_status = 'Current'



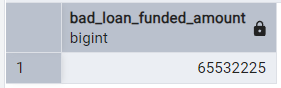
SELECT SUM(total\_payment) AS Good\_Loan\_Received\_Amount FROM bankloan1 WHERE loan\_status = 'FULLY PAID' OR loan\_status = 'Current'



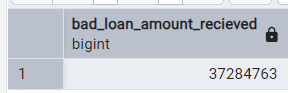
SELECT (COUNT(CASE WHEN loan\_status = 'Charged Off' THEN id END)\*100)/COUNT(id) AS Bad\_Loan\_Percent FROM bankloan1



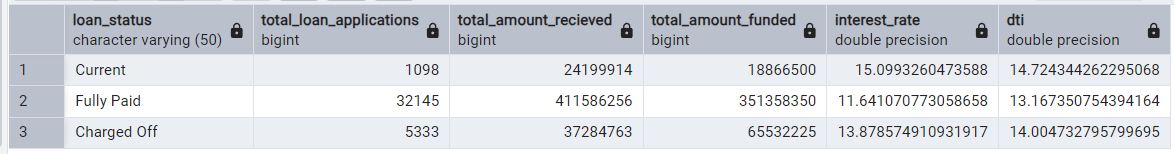
SELECT COUNT(id) AS Total\_Bad\_Loans FROM bankloan1 WHERE loan\_status = 'Charged Off'



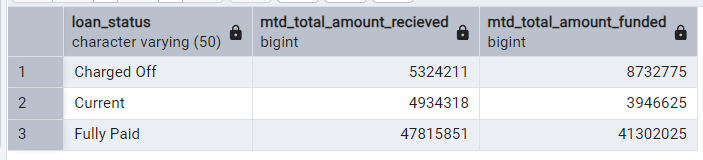
SELECT SUM(loan\_amount) AS Bad\_Loan\_Funded\_Amount FROM bankloan1 WHERE loan\_status = 'Charged Off'

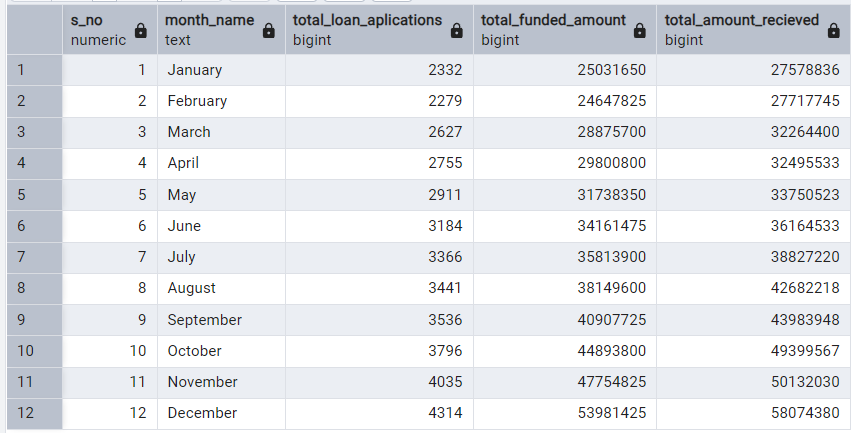


SELECT SUM(total\_payment) AS Bad\_Loan\_Amount\_Recieved FROM bankloan1 WHERE loan\_status = 'Charged Off'

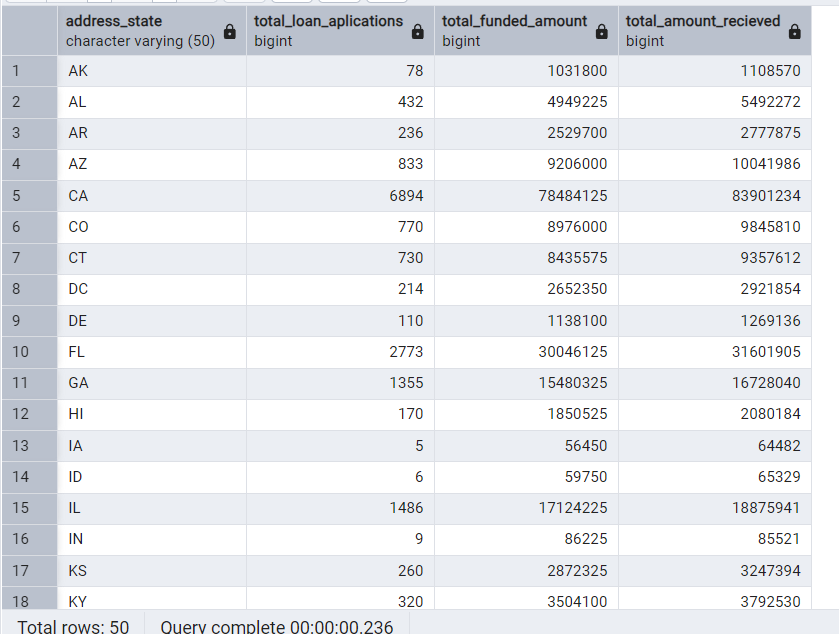


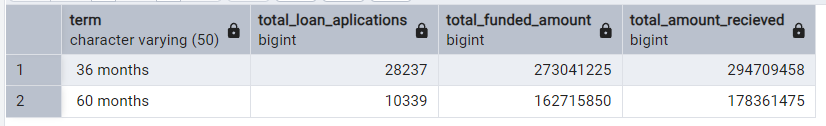
SELECT loan\_status, COUNT(id) AS total\_loan\_applications, SUM(total\_payment) AS total\_amount\_Recieved, SUM(loan\_amount) AS total\_amount\_funded, AVG(int\_rate*100) AS Interest\_rate, AVG(dti*100) AS DTI FROM bankloan1 GROUP BY loan\_status

SELECT loan\_status, SUM(total\_payment) AS MTD\_total\_amount\_Recieved, SUM(loan\_amount) AS MTD\_total\_amount\_funded FROM bankloan1 WHERE EXTRACT(MONTH FROM issue\_date)=12 GROUP BY loan\_status

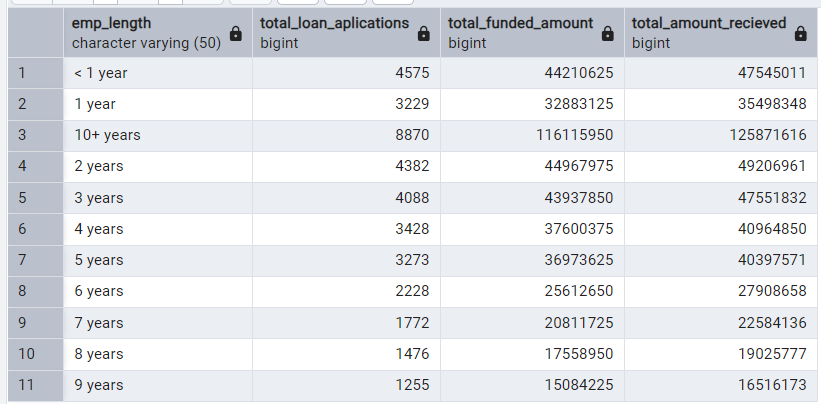


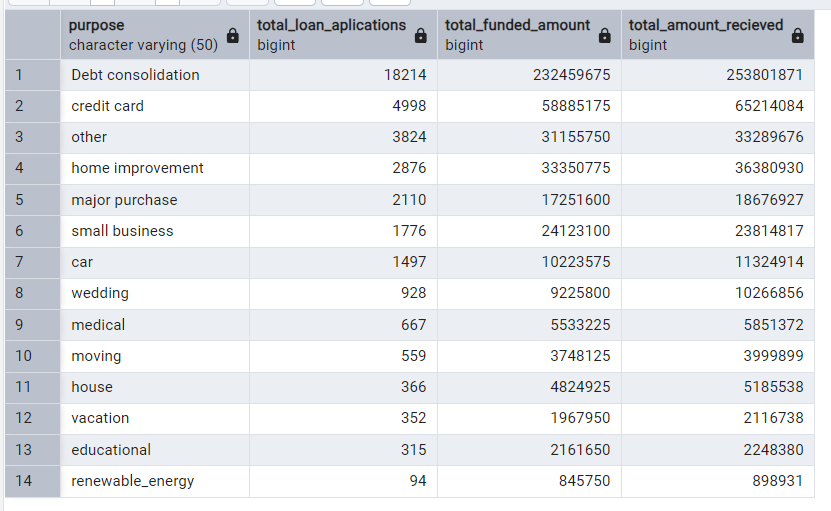
SELECT Extract(Month FROM issue\_date) AS S\_no, TO\_CHAR(issue\_date, 'Month') AS Month\_Name, COUNT(id) AS total\_loan\_aplications, SUM(loan\_amount) AS total\_funded\_amount, SUM(total\_payment) AS Total\_Amount\_Recieved FROM bankloan1 GROUP BY Extract(Month FROM issue\_date),TO\_CHAR(issue\_date, 'Month') ORDER BY Extract(Month FROM issue\_date)

SELECT address\_state, COUNT(id) AS total\_loan\_aplications, SUM(loan\_amount) AS total\_funded\_amount, SUM(total\_payment) AS Total\_Amount\_Recieved FROM bankloan1 GROUP BY address\_state ORDER BY address\_state

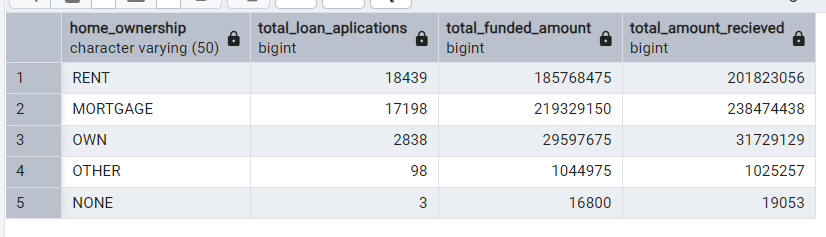


SELECT term, COUNT(id) AS total\_loan\_aplications, SUM(loan\_amount) AS total\_funded\_amount, SUM(total\_payment) AS Total\_Amount\_Recieved FROM bankloan1 GROUP BY term ORDER BY term

SELECT emp\_length, COUNT(id) AS total\_loan\_aplications, SUM(loan\_amount) AS total\_funded\_amount, SUM(total\_payment) AS Total\_Amount\_Recieved FROM bankloan1 GROUP BY emp\_length ORDER BY emp\_length



SELECT purpose, COUNT(id) AS total\_loan\_aplications, SUM(loan\_amount) AS total\_funded\_amount, SUM(total\_payment) AS Total\_Amount\_Recieved FROM bankloan1 GROUP BY purpose ORDER BY Count(id) DESC



SELECT home\_ownership, COUNT(id) AS total\_loan\_aplications, SUM(loan\_amount) AS total\_funded\_amount, SUM(total\_payment) AS Total\_Amount\_Recieved FROM bankloan1 GROUP BY home\_ownership ORDER BY Count(id) DESC

**ALL QUERIES USED**

CREATE TABLE bankloan1 ( id SERIAL PRIMARY KEY, address\_state VARCHAR(50), application\_type VARCHAR(50), emp\_length VARCHAR(50), emp\_title VARCHAR(100), grade VARCHAR(50), home\_ownership VARCHAR(50), issue\_date DATE, last\_credit\_pull\_date DATE, last\_payment\_date DATE, loan\_status VARCHAR(50), next\_payment\_date DATE, member\_id INT, purpose VARCHAR(50), sub\_grade VARCHAR(50), term VARCHAR(50), verification\_status VARCHAR(50), annual\_income FLOAT, dti FLOAT, installment FLOAT, int\_rate FLOAT, loan\_amount INT, total\_acc INT, total\_payment INT ); select \* from bankloan1

select COUNT(id) AS Total\_Loan\_Applications From bankloan1

SELECT COUNT(id) AS prevMonthLoanApplication FROM bankloan1 WHERE EXTRACT(MONTH FROM issue\_date) = 11 AND EXTRACT(YEAR FROM issue\_date) = 2021

SELECT SUM(loan\_amount) AS TotalFundedAmount FROM bankloan1

SELECT SUM(loan\_amount) AS MTDTotalFundedAmount FROM bankloan1 WHERE EXTRACT(MONTH FROM issue\_date) = 12 AND EXTRACT(YEAR FROM issue\_date) = 2021

SELECT SUM(loan\_amount) AS PMTD\_Total\_Funded\_Amount FROM bankloan1 WHERE EXTRACT(MONTH FROM issue\_date)= 11 AND EXTRACT(YEAR FROM issue\_date) = 2021

SELECT SUM(total\_payment) AS MTD\_Total\_Amount\_Recieved FROM bankloan1 WHERE EXTRACT(MONTH FROM issue\_date)=12 AND EXTRACT(YEAR FROM issue\_date)=2021

SELECT SUM(total\_payment) AS PMTD\_Total\_Amount\_Recieved FROM bankloan1 WHERE EXTRACT(MONTH FROM issue\_date)=11 AND EXTRACT(YEAR FROM issue\_date)=

SELECT ROUND(CAST(AVG(int\_rate\*100)AS NUMERIC),4) AS Interest\_Rate FROM bankloan1

SELECT ROUND(CAST(AVG(dti\*100)AS NUMERIC),4) AS DTI FROM bankloan1

SELECT (COUNT(CASE WHEN loan\_status = 'Fully Paid' OR loan\_status = 'Current' THEN id END) \* 100.0) / COUNT(id) AS good\_loan\_percent FROM bankloan1;

SELECT COUNT(id) AS Good\_Loan FROM bankloan1 WHERE loan\_status = 'Fully Paid' OR loan\_status = 'Current'

SELECT SUM(loan\_amount) AS Good\_Loan\_Funded\_Amount FROM bankloan1 WHERE loan\_status = 'Fully Paid' OR loan\_status = 'Current'

SELECT SUM(total\_payment) AS Good\_Loan\_Received\_Amount FROM bankloan1 WHERE loan\_status = 'Fully Paid' OR loan\_status = 'Current'

SELECT (COUNT(CASE WHEN loan\_status = 'Charged Off' THEN id END)\*100)/COUNT(id) AS Bad\_Loan\_Percent FROM bankloan1

SELECT COUNT(id) AS Total\_Bad\_Loans FROM bankloan1 WHERE loan\_status = 'Charged Off'

SELECT SUM(loan\_amount) AS Bad\_Loan\_Funded\_Amount FROM bankloan1 WHERE loan\_status = 'Charged Off'

SELECT SUM(total\_payment) AS Bad\_Loan\_Amount\_Recieved FROM bankloan1 WHERE loan\_status = 'Charged Off'

SELECT loan\_status, COUNT(id) AS total\_loan\_applications, SUM(total\_payment) AS total\_amount\_Recieved, SUM(loan\_amount) AS total\_amount\_funded, AVG(int\_rate*100) AS Interest\_rate, AVG(dti*100) AS DTI FROM bankloan1 GROUP BY loan\_status

SELECT loan\_status, SUM(total\_payment) AS MTD\_total\_amount\_Recieved, SUM(loan\_amount) AS MTD\_total\_amount\_funded FROM bankloan1 WHERE EXTRACT(MONTH FROM issue\_date)=12 GROUP BY loan\_status

SELECT address\_state, COUNT(id) AS total\_loan\_aplications, SUM(loan\_amount) AS total\_funded\_amount, SUM(total\_payment) AS Total\_Amount\_Recieved FROM bankloan1 GROUP BY address\_state ORDER BY address\_state

SELECT emp\_length, COUNT(id) AS total\_loan\_aplications, SUM(loan\_amount) AS total\_funded\_amount, SUM(total\_payment) AS Total\_Amount\_Recieved FROM bankloan1 GROUP BY emp\_length ORDER BY emp\_length

SELECT purpose, COUNT(id) AS total\_loan\_aplications, SUM(loan\_amount) AS total\_funded\_amount, SUM(total\_payment) AS Total\_Amount\_Recieved FROM bankloan1 GROUP BY purpose ORDER BY Count(id) DESC

SELECT home\_ownership, COUNT(id) AS total\_loan\_aplications, SUM(loan\_amount) AS total\_funded\_amount, SUM(total\_payment) AS Total\_Amount\_Recieved FROM bankloan1 GROUP BY home\_ownership ORDER BY Count(id) DESC