**FINANCE SQL QUERIES**

1. **KPIs**
2. Total Loan Applications

SELECT COUNT(DISTINCT id) AS Total\_Loan\_Applications

FROM financial\_loan;



1. MTD Loan Applications

SELECT COUNT(DISTINCT id) AS Total\_Loan\_Applications

FROM financial\_loan

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



1. PMTD Loan Applications

SELECT COUNT(DISTINCT id) AS Total\_Loan\_Applications

FROM financial\_loan

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021;



1. Total Funded Amount

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

FROM financial\_loan;



1. MTD Funded Amount

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

FROM financial\_loan

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



1. PMTD Funded Amount

SELECT SUM(loan\_amount) AS PMTD\_Funded\_Amount

FROM financial\_loan

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021;



1. Total Amount Recieved

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

FROM financial\_loan;



1. MTD Amount Recieved

SELECT SUM(total\_payment) AS MTD\_Amount\_Recieved

FROM financial\_loan

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

1. PMTD Amount Recieved

SELECT SUM(total\_payment) AS PMTD\_Amount\_Recieved

FROM financial\_loan

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021; 

1. Average Interest Rate

SELECT ROUND(AVG(int\_rate), 4)\*100 AS Average\_Interest\_Rate

FROM financial\_loan;



1. MTD Average Interest Rate

SELECT ROUND(AVG(int\_rate), 4)\*100 AS MTD\_Average\_Interest\_Rate

FROM financial\_loan

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

1. PMTD Average Interest Rate

SELECT ROUND(AVG(int\_rate), 4)\*100 AS PMTD\_Average\_Interest\_Rate

FROM financial\_loan

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021;



1. Average DTI Ratio

SELECT ROUND(AVG(dti),4)\*100 AS Average\_DTI\_Ratio

FROM financial\_loan;



1. MTD Average DTI Ratio

SELECT ROUND(AVG(dti),4)\*100 AS MTD\_Average\_DTI\_Ratio

FROM financial\_loan

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



1. PMTD Average DTI Ratio

SELECT ROUND(AVG(dti),4)\*100 AS PMTD\_Average\_DTI\_Ratio

FROM financial\_loan

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021;



1. **Good Loans Issued**
2. Good Loan Percentage

SELECT ROUND((COUNT(CASE WHEN loan\_status = 'Fully Paid' OR loan\_status = 'Current' THEN id END) \* 100.0) / COUNT(id), 2)

AS Good\_Loan\_Percentage

FROM financial\_loan;



1. Good Loan Applications

SELECT COUNT(id) AS Good\_Loan\_Applications

FROM financial\_loan

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

1. Good Loan Funded Amount

SELECT SUM(loan\_amount) AS Good\_Loan\_Funded\_Amount

FROM financial\_loan

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



1. Good Loan Total Received Amount

SELECT SUM(total\_payment) AS Good\_Loan\_Total\_Received\_Amount

FROM financial\_loan

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



1. **Bad Loans Issued**
2. Bad Loan Percentage

SELECT ROUND((COUNT(CASE WHEN loan\_status = 'Charged Off' THEN id END) \* 100.0) / COUNT(id), 2)

AS Bad\_Loan\_Percentage

FROM financial\_loan;



1. Bad Loan Applications

SELECT COUNT(id) AS Bad\_Loan\_Applications

FROM financial\_loan

WHERE loan\_status = 'Charged Off';



1. Bad Loan Funded Amount

SELECT SUM(loan\_amount) AS Bad\_Loan\_Funded\_Amount

FROM financial\_loan

WHERE loan\_status = 'Charged Off';



1. Bad Loan Total Received Amount

SELECT SUM(total\_payment) AS Bad\_Loan\_Total\_Received\_Amount

FROM financial\_loan

WHERE loan\_status = 'Charged Off';



1. **Loan Status**

SELECT

loan\_status,

COUNT(id) AS LoanCount,

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

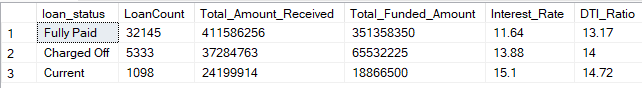
SUM(loan\_amount) AS Total\_Funded\_Amount,

ROUND(AVG(int\_rate \* 100), 2) AS Interest\_Rate,

ROUND(AVG(dti \* 100), 2) AS DTI\_Ratio

FROM financial\_loan

GROUP BY loan\_status;

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1. **MTD Loan Status**

SELECT

loan\_status,

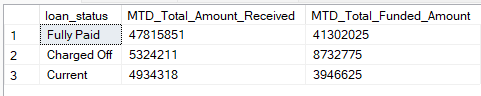
SUM(total\_payment) AS MTD\_Total\_Amount\_Received,

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

FROM financial\_loan

WHERE MONTH(issue\_date) = 12

GROUP BY loan\_status;



1. **PMTD Loan Status**

SELECT

loan\_status,

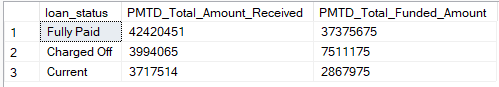
SUM(total\_payment) AS PMTD\_Total\_Amount\_Received,

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

FROM financial\_loan

WHERE MONTH(issue\_date) = 11

GROUP BY loan\_status;



1. **Bank Loan Report**
2. Month

SELECT

MONTH(issue\_date) AS Month\_Munber,

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

COUNT(id) AS Total\_Loan\_Applications,

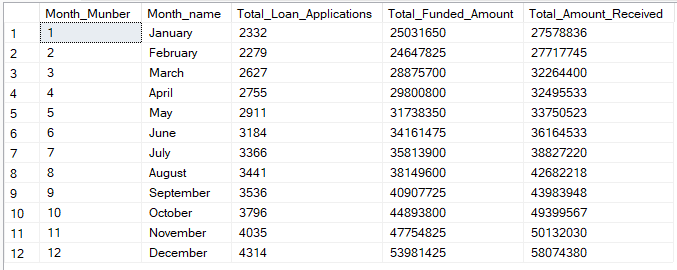
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM financial\_loan

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

ORDER BY MONTH(issue\_date);



1. State

SELECT

address\_state AS State,

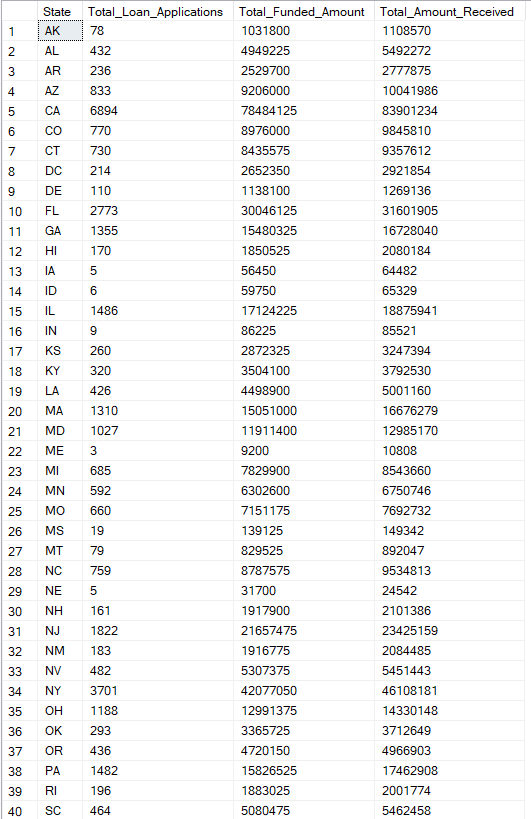
COUNT(id) AS Total\_Loan\_Applications,

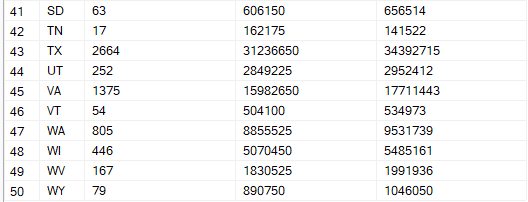
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM financial\_loan

GROUP BY address\_state

ORDER BY address\_state;



1. Term

SELECT

term AS Term,

COUNT(id) AS Total\_Loan\_Applications,

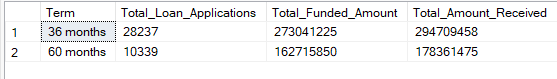
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM financial\_loan

GROUP BY term

ORDER BY term;



1. Employee Duration

SELECT

emp\_length AS Employee\_Duration,

COUNT(id) AS Total\_Loan\_Applications,

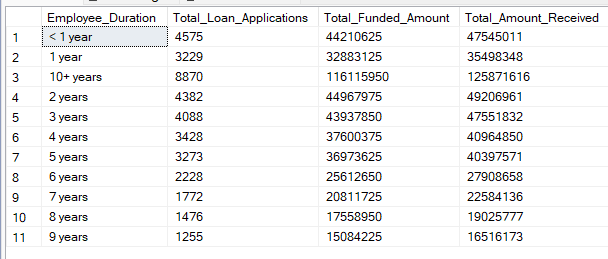
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM financial\_loan

GROUP BY emp\_length

ORDER BY emp\_length;



1. Purpose

SELECT

purpose AS Purpose,

COUNT(id) AS Total\_Loan\_Applications,

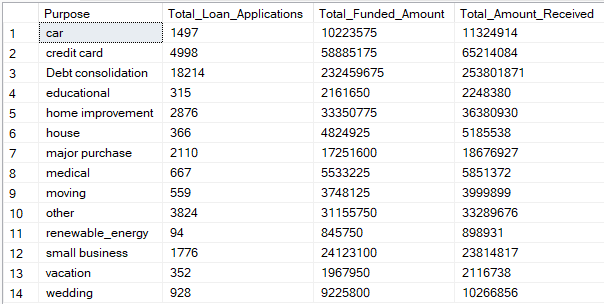
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM financial\_loan

GROUP BY purpose

ORDER BY purpose;



1. 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 financial\_loan

GROUP BY Home\_Ownership

ORDER BY Home\_Ownership;

