**My Query Codes for Financial Loan Project**

SELECT \* FROM financial\_loan

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SELECT COUNT(id) AS Total\_Loan\_Applications

FROM financial\_loan

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SELECT COUNT(id) AS MTD\_Total\_Loan\_Applications

FROM financial\_loan

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

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SELECT COUNT(id) AS PMTD\_Total\_Loan\_Applications

FROM financial\_loan

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

--previous month calculation is (MTD-PMTD)/PMDT

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

FROM financial\_loan

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

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

FROM financial\_loan

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

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

FROM financial\_loan

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

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**MTD Average Interest**

SELECT AVG(int\_rate)\*100 AS MTD\_Avg\_Int\_Rate

FROM financial\_loan

WHERE MONTH(issue\_date) = 12



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

FROM financial\_loan

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

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SELECT

(COUNT(CASE WHEN loan\_status = 'Fully Paid'

OR loan\_status = 'Current'

THEN id END) \*100

)

/

COUNT(id) AS Good\_loan\_percentage

FROM financial\_loan

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SELECT COUNT(id) AS Good\_Loan\_Applications

FROM financial\_loan

WHERE loan\_status = 'Fully Paid'

OR loan\_status = 'Current'

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

FROM financial\_loan

WHERE loan\_status = 'Charged Off'

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SELECT SUM(total\_payment) AS Bad\_Loan\_amount\_received

FROM financial\_loan

WHERE loan\_status = 'Charged Off'

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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 financial\_loan

GROUP BY

loan\_status

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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

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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)

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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

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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

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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 financial\_loan

GROUP BY emp\_length

ORDER BY emp\_length

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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

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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

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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

WHERE grade = 'A'

GROUP BY purpose

ORDER BY purpose

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