**BANK LOAN PROJECT – QUERY DOCUMENT**

**KPI’s:**

***Total Loan Applications***

SELECT COUNT(id) AS Total\_Applications FROM financial\_loan;



***MTD Loan Applications***

SELECT COUNT(id) AS Total\_Applications FROM financial\_loan

WHERE issue\_date like '\_\_-02-\_\_\_\_';

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***PMTD Loan Applications***

SELECT COUNT(id) AS Total\_Applications FROM financial\_loan

WHERE issue\_date like '\_\_-01-\_\_\_\_';



***Total Funded Amount***

SELECT SUM(loan\_amount) AS Total\_Funded\_Amount FROM financial\_loan;

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***MTD Funded Amount***

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

WHERE issue\_date like '\_\_-02-\_\_\_\_';

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***PMTD Funded Amount***

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

WHERE issue\_date like '\_\_-01-\_\_\_\_';

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***Total Amount Received***

SELECT SUM(total\_payment) AS Total\_Amount\_Collected FROM financial\_loan;

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***MTD Total Amount Received***

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

WHERE issue\_date like '\_\_-02-\_\_\_\_';

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***PMTD Total Amount Received***

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

WHERE issue\_date like '\_\_-01-\_\_\_\_';

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***Average Interest Rate***

SELECT ROUND(AVG(int\_rate)\*100, 2) AS Avg\_Int\_Rate FROM financial\_loan;



***MTD Average Interest Rate***

SELECT ROUND(AVG(int\_rate)\*100, 2) AS Avg\_Int\_Rate FROM financial\_loan

WHERE issue\_date like '\_\_-02-\_\_\_\_';

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***PMTD Average Interest Rate***

SELECT ROUND(AVG(int\_rate)\*100, 2) AS Avg\_Int\_Rate FROM financial\_loan

WHERE issue\_date like '\_\_-01-\_\_\_\_';

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***Average DTI***

SELECT ROUND(AVG(dti)\*100, 2) AS Avg\_DTI FROM financial\_loan;

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***MTD Average DTI***

SELECT ROUND(AVG(dti)\*100, 2) AS Avg\_DTI FROM financial\_loan

WHERE issue\_date like '\_\_-02-\_\_\_\_';

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***PMTD Average DTI***

SELECT ROUND(AVG(dti)\*100, 2) AS Avg\_DTI FROM financial\_loan

WHERE issue\_date like '\_\_-01-\_\_\_\_';

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**Good Loan Issued:**

***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;



***Good Loan Applications***

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

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

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***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';

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***Good Loan Amount Received***

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

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

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**Bad Loan Issued:**

***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;

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***Bad Loan Applications***

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

WHERE loan\_status = 'Charged Off';

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***Bad Loan Funded Amount***

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

WHERE loan\_status = 'Charged Off';

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***Bad Loan Amount Received***

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

WHERE loan\_status = 'Charged Off';

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**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,

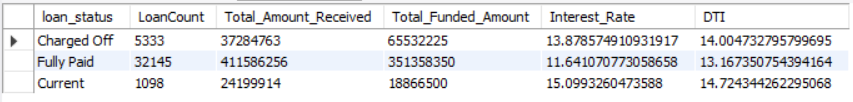
AVG(dti \* 100) AS DTI

FROM

financial\_loan

GROUP BY

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 issue\_date LIKE '\_\_-02-\_\_\_\_'

GROUP BY loan\_status;

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**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;

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**Term:**

SELECT

term AS Term,

COUNT(id) AS Total\_Loan\_Applications,

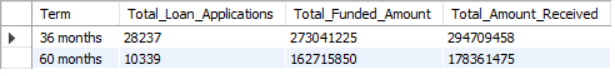
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM financial\_loan

GROUP BY term

ORDER BY term;



**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 financial\_loan

GROUP BY emp\_length

ORDER BY emp\_length;

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**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;

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**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

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