**BANK LOAN REPORT**

1. **Total Loan Applications**

SELECT

COUNT(id) total\_loan\_application

FROM bank\_loan;

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**Month To Date Loan Application**

SELECT

COUNT(id) mtd\_total\_loan\_application

FROM bank\_loan

WHERE MONTH(issue\_date) = 12

AND YEAR(issue\_date) = 2021;

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**Previous Month Loan Applications**

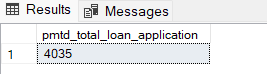
SELECT

COUNT(id) pmtd\_total\_loan\_application

FROM bank\_loan

WHERE MONTH(issue\_date) = 11

AND YEAR(issue\_date) = 2021;



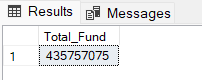
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1. **Total Funded Amount**

SELECT

SUM(loan\_amount) Total\_Fund

FROM bank\_loan;



**Month To Date Loan Amount**

SELECT

SUM(loan\_amount) MTD\_total\_loan\_amount

FROM bank\_loan

WHERE YEAR(issue\_date) = 2021

AND MONTH(issue\_date) = 12;

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**Previous Month Total Loan Amount**

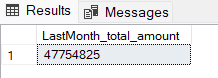
SELECT

SUM(loan\_amount) LastMonth\_total\_amount

FROM bank\_loan

WHERE YEAR(issue\_date) = 2021

AND MONTH(issue\_date) = 11;



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1. **Total Amount Received**

SELECT

SUM(total\_payment) total\_payment

FROM bank\_loan;

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**Month To Date Total Amount Received**

SELECT

YEAR(issue\_date) Year,

MONTH(issue\_date) Month,

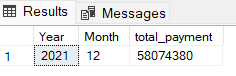
SUM(total\_payment) total\_payment

FROM bank\_loan

WHERE YEAR(issue\_date) = 2021

AND MONTH(issue\_date) = 12

GROUP BY YEAR(issue\_Date), MONTH(issue\_date);



**Previous Month Total Amount Received**

SELECT

YEAR(issue\_date) Year,

MONTH(issue\_date) Month,

SUM(total\_payment) total\_payment

FROM bank\_loan

WHERE YEAR(issue\_date) = 2021

AND MONTH(issue\_date) = 11

GROUP BY YEAR(issue\_Date), MONTH(issue\_date);

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1. **Average Interest Rate**

SELECT

AVG(int\_rate) Avg\_Intrest\_Rate

FROM bank\_loan;

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**Month To Date AVG Interest Rate**

SELECT

AVG(int\_rate) Avg\_Interest\_Rate

FROM bank\_loan

WHERE YEAR(issue\_date) = 2021

AND MONTH(issue\_date) = 12;

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**Previous Month AVG Interest Rate**

SELECT

AVG(int\_rate) Previous\_Month\_Avg\_Interest\_Rate\_Rate

FROM bank\_loan

WHERE YEAR(issue\_date) = 2021

AND MONTH(issue\_date) = 11;

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1. **Average Debt-to-Income Ratio (DTI)**

SELECT

AVG(dti) Avg\_dti

FROM bank\_loan;

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**Month To Date Debt-to-Income Ratio (DTI)**

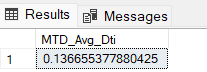
SELECT

AVG(dti) MTD\_Avg\_Dti

FROM bank\_loan

WHERE YEAR(issue\_date) = 2021

AND MONTH(issue\_date) = 12;



**Previous Month AVG DTI**

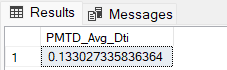
SELECT

AVG(dti) PMTD\_Avg\_Dti

FROM bank\_loan

WHERE YEAR(issue\_date) = 2021

AND MONTH(issue\_date) = 11;



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**Good Loan:**

1. **Good Loan Application Percentage**

SELECT

(COUNT(CASE

WHEN loan\_status IN ('Fully Paid', 'Current') THEN 1

END) \* 100.0 / COUNT(\*)) Good\_Loan\_Percentage

FROM bank\_loan;

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1. **Good Loan Applications**

SELECT

COUNT(CASE

WHEN loan\_status IN('Fully Paid', 'Current') THEN 1

END) Good\_loan

FROM bank\_loan;

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1. **Good Loan Funded Amount**

SELECT

'Good Loan' AS loan\_category,

SUM(loan\_amount) total\_loan\_amount

FROM bank\_loan

WHERE loan\_status IN ('Fully Paid', ' Current');

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1. **Good Loan Total Received Amount**

SELECT

'Good Loan' AS loan\_category,

SUM(total\_payment) AS total\_received\_amount

FROM bank\_loan

WHERE loan\_status IN ('Fully Paid', 'Current');

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**Bad Loan:**

1. **Bad Loan Application Percentage**

SELECT

(COUNT(CASE

WHEN loan\_status = 'Charged Off' THEN 1

END) \* 100.0 / COUNT(\*)) bad\_loan\_percentage

FROM bank\_loan;

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1. **Bad Loan Applications**

SELECT

loan\_status,

COUNT(loan\_status) bad\_loan\_applications

FROM bank\_loan

WHERE loan\_status = 'Charged Off'

GROUP BY loan\_status;

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1. **Bad Loan Funded Amount**

SELECT

'Bad Loan' AS loan\_category,

SUM(loan\_amount) total\_loan

FROM bank\_loan

WHERE loan\_status = 'Charged Off';

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1. **Bad Loan Total Received Amount**

SELECT

'Bad Loan' AS loan\_category,

SUM(total\_payment) total\_loan

FROM bank\_loan

WHERE loan\_status = 'Charged Off';

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**Loan status**

SELECT

loan\_status,

COUNT(id) Total\_Loan\_Applications,

SUM(total\_payment) Total\_amount\_recieved,

SUM(loan\_amount) Total\_loan\_amount,

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

ROUND(AVG(dti) \* 100, 2) Dti

FROM bank\_loan

GROUP BY loan\_status;

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**Month To Date**

SELECT

loan\_status,

SUM(total\_payment) MTD\_Total\_amount\_received,

SUM(loan\_amount) MTD\_Total\_loan\_amount

FROM bank\_loan

GROUP BY loan\_status;

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**Monthly Trends by Issue Date**

SELECT

Month(issue\_date) Month,

FORMAT(issue\_date, 'MMMM') Month\_Of\_Loan\_issue,

COUNT(id) Total\_Loan\_Application,

SUM(loan\_amount) Total\_Loan\_funded,

SUM(total\_payment) Total\_Payment

FROM bank\_loan

GROUP BY MONTH(issue\_date), FORMAT(issue\_date, 'MMMM')

ORDER BY Month(issue\_date);

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**Regional Analysis by State**

SELECT

address\_state,

COUNT(id) Total\_Loan\_Application,

SUM(loan\_amount) Total\_Loan\_funded,

SUM(total\_payment) Total\_Payment

FROM bank\_loan

GROUP BY address\_state

ORDER BY SUM(loan\_amount) DESC;

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**Loan Term Analysis**

SELECT

term,

COUNT(id) Total\_Loan\_Application,

SUM(loan\_amount) Total\_Loan\_funded,

SUM(total\_payment) Total\_Payment

FROM bank\_loan

GROUP BY term

ORDER BY SUM(loan\_amount) DESC;

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**Employee Length Analysis**

SELECT

emp\_length,

COUNT(id) Total\_Loan\_Application,

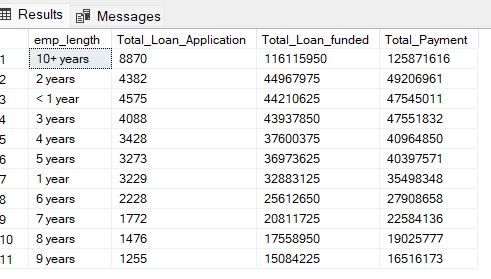
SUM(loan\_amount) Total\_Loan\_funded,

SUM(total\_payment) Total\_Payment

FROM bank\_loan

GROUP BY emp\_length

ORDER BY SUM(loan\_amount) DESC;

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**Loan Purpose Breakdown**

SELECT

purpose,

COUNT(id) Total\_Loan\_Applications,

SUM(loan\_amount) Total\_loan\_funded,

SUM(total\_payment) Total\_payment

FROM bank\_loan

GROUP BY purpose

ORDER BY SUM(loan\_amount) DESC;

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**Home Ownership Analysis**

SELECT

home\_ownership,

COUNT(id) Total\_Loan\_Applications,

SUM(loan\_amount) Total\_Loan\_funded,

SUM(total\_payment) Total\_payment

FROM bank\_loan

GROUP BY home\_ownership

ORDER BY SUM(loan\_amount) DESC;

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