**Bank Loan Report Query Document**

1. **Bank Loan Report | Summary**

**KPI’s**

**Total Loan Applications**

select COUNT(id) as Total\_Loan\_Applications from bank\_loan\_data;

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**Month-to-Date (MTD) Loan Applications**

select COUNT(id) as MTD\_Total\_Loan\_Applications from bank\_loan\_data

where month(issue\_date) = 12 and YEAR(issue\_date) = 2021;

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**PMTD Loan Applications**

select COUNT(id) as PMTD\_Total\_Loan\_Applications from bank\_loan\_data

where month(issue\_date) = 11 and YEAR(issue\_date) = 2021;

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**Month-over-Month (MoM)**

**(Month-to-Date (MTD) Loan Applications - PMTD Loan Applications)**

**4314 – 4035 = 279**

**Total Funded Amount**

select SUM(loan\_amount) as Total\_Funded\_Amount from bank\_loan\_data;

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**MTD Total Funded Amount**

select SUM(loan\_amount) as MTD\_Total\_Funded\_Amount from bank\_loan\_data

WHERE MONTH(issue\_date) = 12

****

**PMTD Total Funded Amount**

select SUM(loan\_amount) as PMTD\_Total\_Funded\_Amount from bank\_loan\_data

WHERE MONTH(issue\_date) = 11

****

**Month-over-Month (MoM)**

**(Month-to-Date (MTD) Total Funded Amount**

**- PMTD Total Funded Amount)**

**53981425 – 47754825 = 62,26,600**

**Total Amount Received**

select SUM(total\_payment) as Total\_Amount\_Received from bank\_loan\_data;

****

**Month-to-Date (MTD) Total Amount Received**

select SUM(total\_payment) as MTD\_Total\_Amount\_Received from bank\_loan\_data

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

****

**PMTD Total Amount Received**

select SUM(total\_payment) as PMTD\_Total\_Amount\_Received from bank\_loan\_data

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

****

**Month-over-month (MoM) changes.**

**Average Interest Rate**

SELECT ROUND(AVG(int\_rate),4)\*100 as Avg\_intrest\_rate from bank\_loan\_data;

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**MTD Average Interest Rate**

SELECT ROUND(AVG(int\_rate),4)\*100 as MTD\_Avg\_intrest\_rate from bank\_loan\_data

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

****

**PMTD Average Interest Rate**

SELECT ROUND(AVG(int\_rate),4)\*100 as PMTD\_Avg\_intrest\_rate from bank\_loan\_data

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

****

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

SELECT Round(AVG(dti),4)\*100 as Avg\_DTI FROM bank\_loan\_data;

****

**MTD Average Debt-to-Income Ratio (DTI)**

SELECT Round(AVG(dti),4)\*100 as MTD\_Avg\_DTI FROM bank\_loan\_data

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

****

**PMTD Average Debt-to-Income Ratio (DTI)**

SELECT Round(AVG(dti),4)\*100 as PMTD\_Avg\_DTI FROM bank\_loan\_data

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

****

**GOOD LOAN ISSUED**

**Good Loan Percentage**

select

(COUNT(case when loan\_status = 'Fully Paid' or loan\_status = 'Current' then id end)\*100.0)

/

COUNT(id) as Good\_Loan\_Percentage

from bank\_loan\_data;

****

**Good Loan Application**

select COUNT(id) as Good\_Loan\_Applications from bank\_loan\_data

where loan\_status = 'Fully Paid' or loan\_status = 'Current';

****

**Good Loan Funded Amount**

select sum(loan\_amount) as Good\_Loan\_Funded\_Amount from bank\_loan\_data

where loan\_status = 'Fully Paid' or loan\_status = 'Current';

****

**Good Loan Total Received Amount**

select sum(total\_payment) as Good\_Loan\_Total\_Recived\_Amount from bank\_loan\_data

where loan\_status = 'Fully Paid' or loan\_status = 'Current';

****

**BAD LOAN ISSUED**

**Bad Loan Percentage**

select

(count(case when loan\_status = 'Charged off' then id end)\*100.0)

/

count(id) as Bad\_Loan\_Parcentage

from bank\_loan\_data

****

**Bad Loan Applications**

select count(id) as Bad\_Loan\_Applications from bank\_loan\_data

where loan\_status = 'Charged off';

****

**Bad Loan Funded Amount**

select sum(loan\_amount) as Bad\_Loan\_Funded\_Amount from bank\_loan\_data

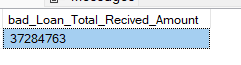
where loan\_status = 'Charged off';

****

**Bad Loan Total Received Amount**

select sum(total\_payment) as bad\_Loan\_Total\_Recived\_Amount from bank\_loan\_data

where loan\_status = 'Charged off';

****

**Loan Status Grid View**

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,

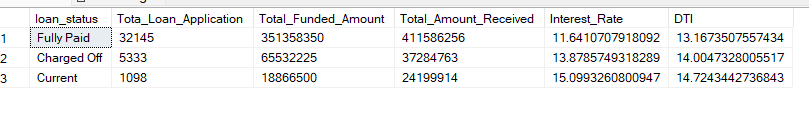
AVG(dti \* 100) AS DTI

FROM

bank\_loan\_data

GROUP BY

loan\_status

****

SELECT

loan\_status,

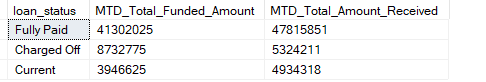
SUM(loan\_amount) as MTD\_Total\_Funded\_Amount,

sum(total\_payment) as MTD\_Total\_Amount\_Received

from bank\_loan\_data

where MONTH(issue\_date) = 12 and year(issue\_date) = 2021

group by loan\_status

****

1. **BANK LOAN REPORT | OVERVIEW**

**MONTH**

select

MONTH(issue\_date) as Month\_number,

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

count(id) as Total\_Loan\_Application,

sum(loan\_amount) as Total\_Loan\_Amount,

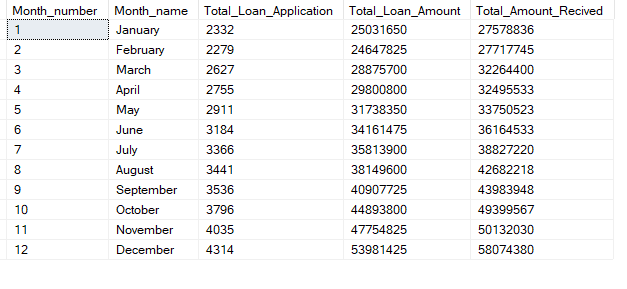
sum(total\_payment) as Total\_Amount\_Recived

from bank\_loan\_data

group by MONTH(issue\_date),

DATENAME(MONTH,issue\_date)

order by MONTH(issue\_date);

****

**STATE**

SELECT

address\_state AS State,

COUNT(id) AS Total\_Loan\_Applications,

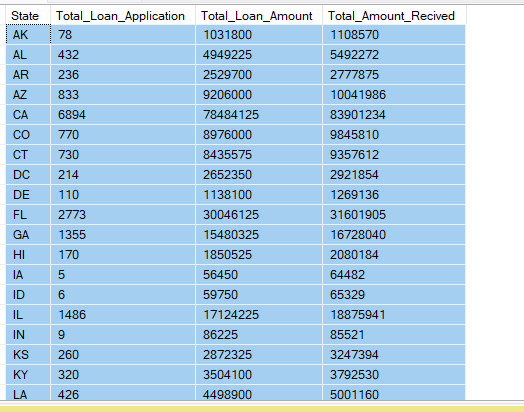
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY address\_state

ORDER BY address\_state

****

**TERM**

select

term as Term,

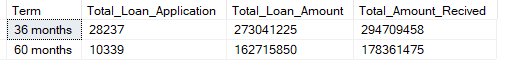
count(id) as Total\_Loan\_Application,

sum(loan\_amount) as Total\_Loan\_Amount,

sum(total\_payment) as Total\_Amount\_Recived

from bank\_loan\_data

group by term



**EMPLOYEE LENGTH**

select

emp\_length as Employee\_Length,

count(id) as Total\_Loan\_Application,

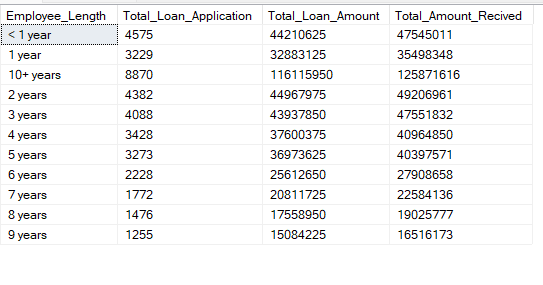
sum(loan\_amount) as Total\_Loan\_Amount,

sum(total\_payment) as Total\_Amount\_Recived

from bank\_loan\_data

group by emp\_length

order by emp\_length;

****

**PURPOSE**

select

purpose as Purpose,

count(id) as Total\_Loan\_Application,

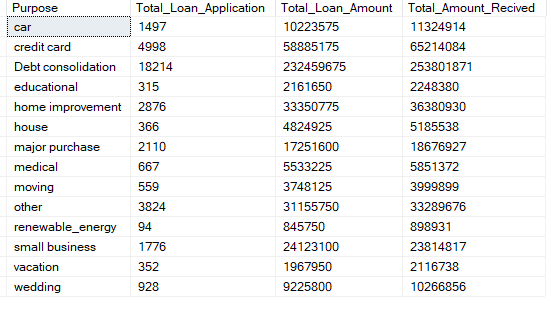
sum(loan\_amount) as Total\_Loan\_Amount,

sum(total\_payment) as Total\_Amount\_Recived

from bank\_loan\_data

group by purpose

order by purpose;

****

**HOME OWNERSHIP**

select

home\_ownership as Home\_Ownership,

count(id) as Total\_Loan\_Application,

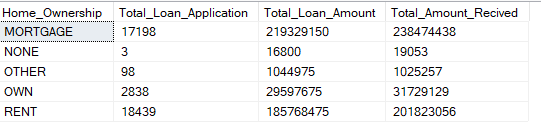
sum(loan\_amount) as Total\_Loan\_Amount,

sum(total\_payment) as Total\_Amount\_Recived

from bank\_loan\_data

group by home\_ownership

order by home\_ownership;

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