**BANK LOAN REPORT QUERY DOCUMENT**

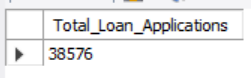
1. **BANK LOAN REPORT | SUMMARY**

**KPI’s:**

**Total Loan Applications**

Select COUNT(id) AS Total\_Loan\_Applications

from loan\_data;



**MTD loan applications:**

SELECT COUNT(id) AS Total\_Applications FROM loan\_data

WHERE MONTH(issue\_date) IN (SELECT MAX(MONTH(issue\_date)) from loan\_data)

AND YEAR(issue\_date) IN (SELECT MAX(YEAR(issue\_date)) from loan\_data)

;

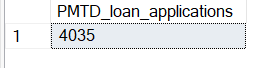
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**PMTD loan applications:**

SELECT COUNT(id) as PMTD\_loan\_applications

from loan\_data

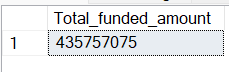
Where MONTH(issue\_date)= 11 AND YEAR(issue\_date) =2021

****

**Total Funded Amount:**

Select SUM(loan\_amount) as Total\_funded\_amount

from loan\_data

****

**MTD funded amount:**

Select SUM(loan\_amount) as Total\_funded\_amount

from loan\_data

WHERE MONTH(issue\_date) IN (

SELECT MAX(MONTH(issue\_date))

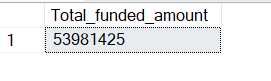
from loan\_data) AND YEAR(issue\_date) IN

(

SELECT MAX(YEAR(issue\_date))

from loan\_data

);



**PMTD funded amount:**

Select SUM(loan\_amount) as Total\_funded\_amount

from loan\_data

WHERE MONTH(issue\_date) IN (

SELECT (MAX(MONTH(issue\_date))-1)

from loan\_data) AND YEAR(issue\_date) IN

(

SELECT MAX(YEAR(issue\_date))

from loan\_data

);

****

**Total amount received:**

Select SUM(total\_payment) as Total\_amount\_received

from loan\_data

**MTD Total amount received**

Select SUM(total\_payment) as mtd\_Total\_funded\_amount

from loan\_data

WHERE MONTH(issue\_date) IN (

SELECT MAX(MONTH(issue\_date))

from loan\_data) AND YEAR(issue\_date) IN

(

SELECT MAX(YEAR(issue\_date))

from loan\_data

);

****

**PMTD Total amount received:**

Select SUM(total\_payment) as PMTD\_Total\_funded\_amount

from loan\_data

WHERE MONTH(issue\_date) IN (

SELECT (MAX(MONTH(issue\_date))-1)

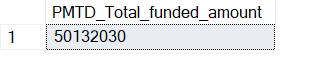
from loan\_data) AND YEAR(issue\_date) IN

(

SELECT MAX(YEAR(issue\_date))

from loan\_data

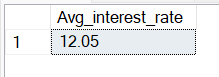
);

****

**Average Interest Rate:**

SELECT ROUND(AVG(int\_rate) \* 100,2) as Avg\_interest\_rate

From loan\_data

****

**MTD Average Interest Rate:**

SELECT ROUND(AVG(int\_rate) \* 100,2) as MTD\_Avg\_interest\_rate

From loan\_data

WHERE MONTH(issue\_date) IN (

SELECT MAX(MONTH(issue\_date))

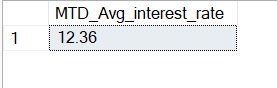
from loan\_data) AND YEAR(issue\_date) IN

(

SELECT MAX(YEAR(issue\_date))

from loan\_data

);

****

**PMTD Average Interest Rate:**

SELECT ROUND(AVG(int\_rate) \* 100,2) as MTD\_Avg\_interest\_rate

From loan\_data

WHERE MONTH(issue\_date) IN (

SELECT (MAX(MONTH(issue\_date))-1)

from loan\_data) AND YEAR(issue\_date) IN

(

SELECT MAX(YEAR(issue\_date))

from loan\_data

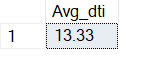
);

****

**Average DTI:**

SELECT ROUND(AVG(dti)\*100,2) as Avg\_dti

from loan\_data

****

**MTD Average Interest Rate:**

SELECT ROUND(AVG(dti) \* 100,2) as MTD\_Avg\_dti

From loan\_data

WHERE MONTH(issue\_date) IN (

SELECT MAX(MONTH(issue\_date))

from loan\_data) AND YEAR(issue\_date) IN

(

SELECT MAX(YEAR(issue\_date))

from loan\_data

);

****

**PMTD Average Interest Rate:**

SELECT ROUND(AVG(dti) \* 100,2) as PMTD\_Avg\_dti

From loan\_data

WHERE MONTH(issue\_date) IN (

SELECT (MAX(MONTH(issue\_date))-1)

from loan\_data) AND YEAR(issue\_date) IN

(

SELECT MAX(YEAR(issue\_date))

from loan\_data

);

****

**GOOD LOAN:-**

**Good loan percentage:**

SELECT

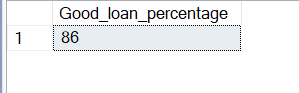
(COUNT(CASE WHEN loan\_status='Current' OR loan\_status='Fully Paid'

THEN id

END) \* 100 )/ COUNT(id)

as Good\_loan\_percentage

from loan\_data

****

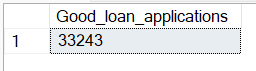
**Good loan applications:**

SELECT COUNT(id)

as Good\_loan\_applications

from loan\_data

where loan\_status in ('Current','Fully Paid')



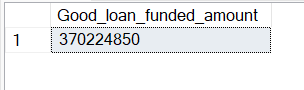
**Good loan total funded amount:**

SELECT SUM(loan\_amount)

as Good\_loan\_funded\_amount

from loan\_data

where loan\_status in ('Current','Fully Paid')



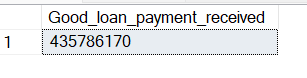
**Good loan total received amount:**

SELECT SUM(total\_payment)

as Good\_loan\_payment\_received

from loan\_data

where loan\_status in ('Current','Fully Paid')

****

**BAD LOAN ISSUED:**

**Bad loan percentage: -**

SELECT

(COUNT(CASE WHEN loan\_status='Charged Off'

THEN id

END) \* 100 )/ COUNT(id)

as Bad\_loan\_percentage

from loan\_data

****

**Bad loan applications: -**

SELECT COUNT(id)

as Bad\_loan\_applications

from loan\_data

where loan\_status in ('Charged Off')



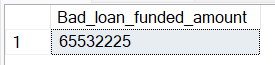
**Bad loan total funded amount: -**

SELECT SUM(loan\_amount)

as Bad\_loan\_funded\_amount

from loan\_data

where loan\_status in ('Charged Off')

****

**Bad loan total received amount: -**

SELECT SUM(total\_payment)

as Bad\_loan\_payment\_received

from loan\_data

where loan\_status in ('Charged Off')

****

**LOAN STATUS:**

Select loan\_status,

COUNT(id) as Loan\_applications,

SUM(total\_payment) as Total\_amount\_received,

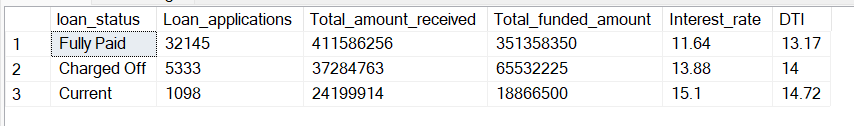
SUM(loan\_amount) as Total\_funded\_amount,

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

ROUND(AVG(dti) \* 100,2) as DTI

from loan\_data

GROUP BY loan\_status

****

Select loan\_status,

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

SUM(loan\_amount) as MTD\_Total\_funded\_amount

from loan\_data

WHERE MONTH(issue\_date) IN (

SELECT MAX(MONTH(issue\_date))

from loan\_data) AND YEAR(issue\_date) IN

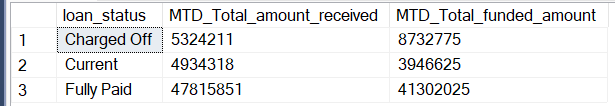
(

SELECT MAX(YEAR(issue\_date))

from loan\_data

)

GROUP BY loan\_status

****

**BANK LOAN REPORT | OVERVIEW**

**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 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\_Applications,

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

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

FROM bank\_loan\_data

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 bank\_loan\_data

GROUP BY emp\_length

ORDER BY emp\_length

****

**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 bank\_loan\_data

GROUP BY purpose

ORDER BY purpose

****

**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 bank\_loan\_data

GROUP BY home\_ownership

ORDER BY home\_ownership

****