**BANK LOAN REPORT QUERY DOCUMENT**

**Bank Loan Report / KPI’s:-**

**1.Total Loan Application**

select COUNT(id) as Totoal\_application from bank\_loan\_data

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**2.MTD Loan Application (Month to date Application)**

select count(id) as Total\_application from bank\_loan\_data where MONTH(issue\_date)=1A computer screen shot of a application

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**3.PMTD Loan Application(Previous Month to date application )**

select count(id) as Total\_application from bank\_loan\_data where MONTH(issue\_date)=11;

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**4.Total Funded Amount**

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

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**5.MTD Total Funded Amount**

select sum(loan\_amount)as Total\_Funded\_Amount from bank\_loan\_data where MONTH(issue\_date)=12;

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**6.PMTD Total Funded Amount**

select sum(loan\_amount)as Total\_Funded\_Amount from bank\_loan\_data where MONTH(issue\_date)=11;

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**7. Total Amount Received**

select sum(total\_payment)as Total\_Amount\_Collected from bank\_loan\_data;

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**7.MTD Total Amount Received**

select sum(total\_payment)as Total\_Amount\_Collected from bank\_loan\_data where MONTH(issue\_date)=12;

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**7. PMTD Total Amount Received**

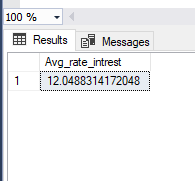
select sum(total\_payment)as Total\_Amount\_Collected from bank\_loan\_data where MONTH(issue\_date)=11;

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**8.Average interest rate**

select AVG(int\_rate)\*100 as Avg\_rate\_intrest from bank\_loan\_data;

select AVG(int\_rate)\*100 as Avg\_rate\_intrest from bank\_loan\_data;

**9.MTD Average interest rate**

select AVG(int\_rate)\*100 as Avg\_rate\_intrest from bank\_loan\_data where MONTH(issue\_date)=12;

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**10.PMTD Average interest rate**

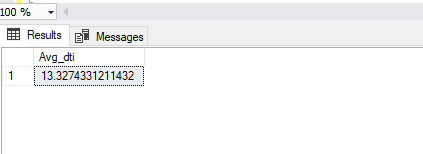
select AVG(int\_rate)\*100 as Avg\_rate\_intrest from bank\_loan\_data where MONTH(issue\_date)=11;

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**11. Average DTI**

select AVG(dti)\*100 as Avg\_dti from bank\_loan\_data;



**12.MTD Average DTI**

select AVG(dti)\*100 as Avg\_dti from bank\_loan\_data where MONTH(issue\_date)=12;

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**13.PMTD Average DTI**

select AVG(dti)\*100 as Avg\_dti from bank\_loan\_data where MONTH(issue\_date)=11;

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**Good Loan Issued:-**

**1.Good Loan Percentage**

select (COUNT (case when loan\_status='Fully Paid' or loan\_status='Current' then id end)\*100)/COUNT(id) as Good\_loan\_percentage from bank\_loan\_data

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**2. Good Loan Application**

select count(id) as Good\_loan\_application from bank\_loan\_data where loan\_status='Fully Paid' or loan\_status='Current';

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**3. 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'

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**4. Good Loan Amount Received**

select sum(total\_payment) as good\_loan\_amount\_recived from bank\_loan\_data where loan\_status='Fully Paid' or loan\_status='Current'

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**Bad Loan Issued:-**

**1.Bad Loan Percentage**

select (COUNT (case when loan\_status='Charged Off' then id end)\*100)/COUNT(id) as Bad\_loan\_percentage from bank\_loan\_data

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**2. Bad Loan Application**

select count(id) as Bad\_loan\_application from bank\_loan\_data where loan\_status='Charged Off'

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**3. Bad Loan Funded Amount**

select sum(loan\_amount) as Bad\_loan\_funded\_amount from bank\_loan\_data where loan\_status='Charged Off'

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**4. Bad Loan Amount Received**

select sum(total\_payment) as Bad\_loan\_amount\_recived from bank\_loan\_data where loan\_status='Charged Off'

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**Loan Status:-**

select loan\_status,

COUNT(id) as loanCount,

sum(total\_payment) as Total\_amount\_recived,

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

avg(int\_rate\*100) as avg\_intrest\_rate,

avg(dti \*100) as DIT

from bank\_loan\_data

group by loan\_status;A screenshot of a computer

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SELECT

loan\_status,

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

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

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12

GROUP BY loan\_status

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**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\_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)

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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 bank\_loan\_data

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 bank\_loan\_data

GROUP BY term

ORDER BY term

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**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

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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 bank\_loan\_data

GROUP BY purpose

ORDER BY purpose

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**Home Owership**

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

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Note: We have applied multiple Filters on all the dashboards. You can check the results for the filters as well by modifying the query and comparing the results.

For e.g

See the results when we hit the Grade A in the filters for dashboards.

*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*

*WHERE grade = 'A'*

*GROUP BY purpose ORDER BY purpose*