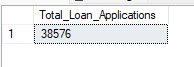
**KPI’s:**

**Total Loan Applications**

select \*from Bank\_loan;

select count(id) as Total\_Loan\_Applications from Bank\_loan;



**MTD Loan Applications**

select count(id) as MTD\_Total\_Loan\_Applications from Bank\_loan

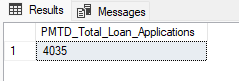
where month(issue\_date) = 12 and YEAR(issue\_date) = 2021;

****

**PMTD Loan Applications**

select count(id) as PMTD\_Total\_Loan\_Applications from Bank\_loan

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

****

**Total Funded Amount**

select sum(loan\_amount) as Total\_funded\_Amount from Bank\_loan;

****

**MTD Total Funded Amount**

select sum(loan\_amount) as Total\_funded\_Amount from Bank\_loan

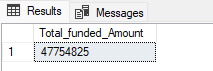
where MONTH(issue\_date) = 12 and year(issue\_date) = 2021;

****

**PMTD Total Funded Amount**

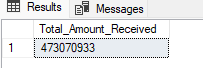
select sum(loan\_amount) as Total\_funded\_Amount from Bank\_loan

where MONTH(issue\_date) = 11 and year(issue\_date) = 2021;

****

**Total Amount Received**

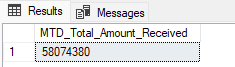
select sum(total\_payment) as Total\_Amount\_Received from Bank\_loan;

****

**MTD Total Amount Received**

select sum(total\_payment) as MTD\_Total\_Amount\_Received from Bank\_loan

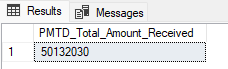
where month(issue\_date) = 12 and year(issue\_date)=2021;



**PMTD Total Amount Received**

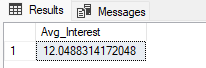
select sum(total\_payment) as PMTD\_Total\_Amount\_Received from Bank\_loan

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



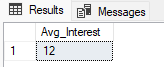
**Average Interest Rate**

select avg(int\_rate)\*100 as Avg\_Interest from Bank\_loan;



**Using Round Function for average rate:**

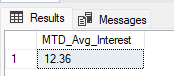
select round(avg(int\_rate),2)\*100 as Avg\_Interest from Bank\_loan;

****

**MTD Average Interest**

select round(avg(int\_rate),4)\*100 as MTD\_Avg\_Interest from Bank\_loan

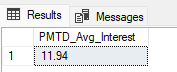
where month(issue\_date) = 12 and year(issue\_date)=2021;

****

**PMTD Average Interest**

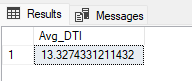
select round(avg(int\_rate),4)\*100 as MTD\_Avg\_Interest from Bank\_loan

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

****

**Avg DTI**

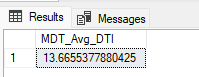
select AVG(dti)\*100 as Avg\_DTI from Bank\_loan;

****

**MTD Avg DTI**

select AVG(dti)\*100 as MDT\_Avg\_DTI from Bank\_loan

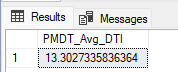
where month(issue\_date)=12 and year(issue\_date) = 2021;

****

**PMTD Avg DTI**

select AVG(dti)\*100 as PMDT\_Avg\_DTI from Bank\_loan

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

****

**GOOD LOAN ISSUED**

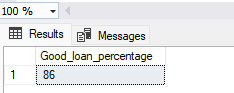
**Good Loan Percentage**

select

(count(case when loan\_status = 'Fully Paid' or loan\_status = 'Current' then id end)\*100)

/

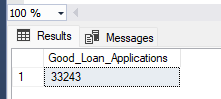
count(id) as Good\_loan\_percentage from Bank\_loan;

****

**Good Loan Applications**

select count(id) as Good\_Loan\_Applications from Bank\_loan

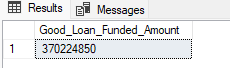
where loan\_status = 'Fully Paid' or loan\_status='Current';

****

**Good Loan Funded Amount**

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

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

****

**Good Loan Amount Received**

select sum(total\_payment) as Good\_Loan\_Received\_Amount from Bank\_loan

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

****

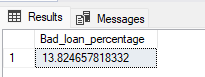
**BAD LOAN ISSUED**

select

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

/

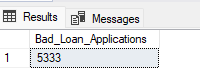
count(id) as Bad\_loan\_percentage from Bank\_loan;

****

**Bad Loan Applications**

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

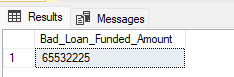
where loan\_status = 'Charged off';

****

**Bad Loan Funded Amount**

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

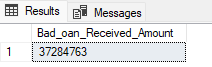
where loan\_status = 'Charged off';

****

**Bad Loan Amount Received**

select sum(total\_payment) as Bad\_oan\_Received\_Amount from Bank\_loan

where loan\_status = 'Charged off';

****

**LOAN STATUS**

SELECT

loan\_status,

COUNT(id) AS Total\_Loan\_Applications,

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

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

AVG(int\_rate \* 100) AS Interest\_Rate,

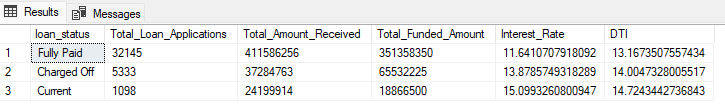
AVG(dti \* 100) AS DTI

FROM

Bank\_loan

GROUP BY

loan\_status

****

SELECT

loan\_status,

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

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

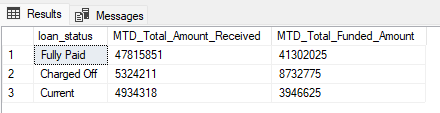
FROM

Bank\_loan

where month(issue\_date) =12

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\_Applications,

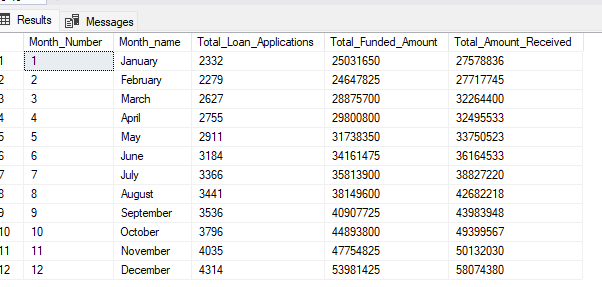
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM Bank\_loan

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,

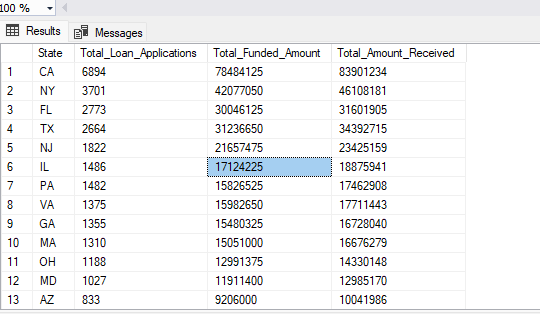
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM Bank\_loan

GROUP BY address\_state

ORDER BY count(id) desc

****

**TERM**

SELECT

term AS Term,

COUNT(id) AS Total\_Loan\_Applications,

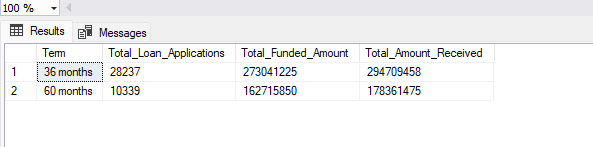
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM Bank\_loan

GROUP BY term

ORDER BY term

****

**EMPLOYEE LENGTH**

SELECT

emp\_length AS Employee\_Length,

COUNT(id) AS Total\_Loan\_Applications,

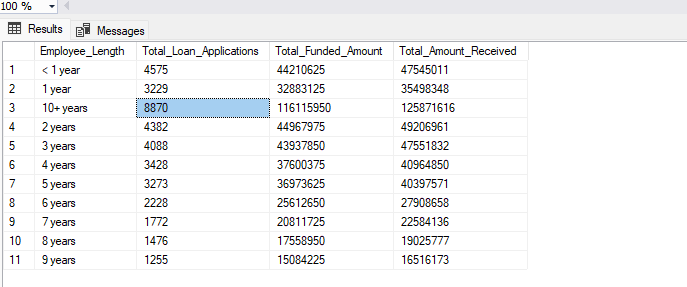
SUM(loan\_amount) AS Total\_Funded\_Amount,

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,

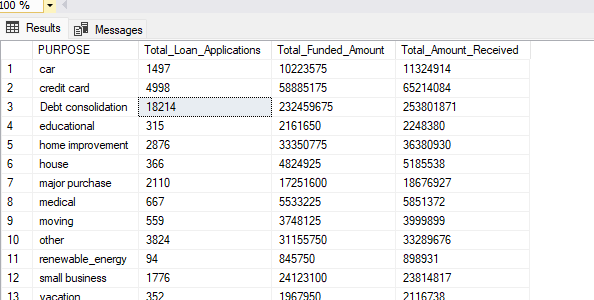
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM Bank\_loan

GROUP BY purpose

ORDER BY purpose

****

**HOME OWNERSHIP**

SELECT

home\_ownership AS Home\_Ownership,

COUNT(id) AS Total\_Loan\_Applications,

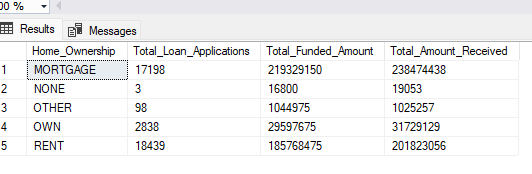
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM Bank\_loan

GROUP BY home\_ownership

ORDER BY home\_ownership

****

*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,

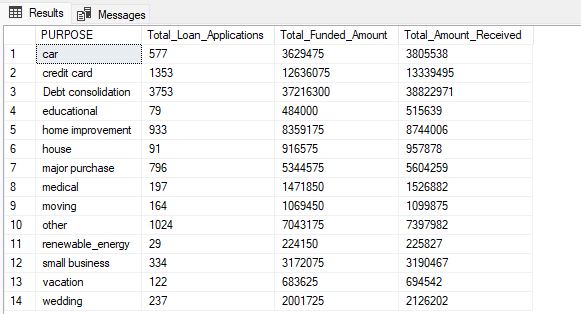
SUM(total\_payment) AS Total\_Amount\_Received

FROM Bank\_loan

WHERE grade = 'A'

GROUP BY purpose

ORDER BY purpose

****