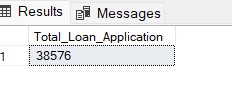
**KPIs –**

**Total Loan Application –**

select \* from Bank\_Loandata

/\* Total Loan Application from banl loan data \*/

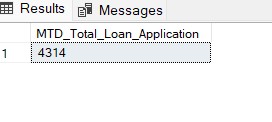
select count(id) as Total\_Loan\_Application from Bank\_Loandata



/\*MTD Loan Application\*/

select count(id) as MTD\_Total\_Loan\_Application from Bank\_Loandata

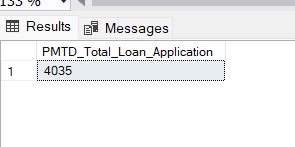
where MONTH(issue\_date) = 12 and YEAR(issue\_date) = 2021



/\*Previous Month To Date Loan Application\*/

select count(id) as PMTD\_Total\_Loan\_Application from Bank\_Loandata

where MONTH(issue\_date) = 11 and YEAR(issue\_date) = 2021



/\* Total Funded Amounts \*/

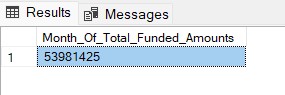
select sum(loan\_amount) as Total\_Funded\_Amounts from Bank\_Loandata



/\*Month Of Total Funded Amounts\*/

select sum(loan\_amount) as Month\_Of\_Total\_Funded\_Amounts from Bank\_Loandata

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



/\* Previous Month Of Total Funded Amounts \*/

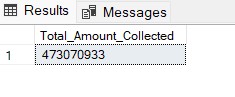
select sum(loan\_amount) as Previous\_Month\_Of\_Total\_Funded\_Amounts from Bank\_Loandata

where MONTH(issue\_date) = 11 and YEAR(issue\_date) = 2021



/\* Total Amount received \*/

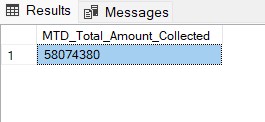
select sum(total\_payment) as Total\_Amount\_Collected from Bank\_Loandata



/\*MTD Total Amount Received \*/

select sum(total\_payment) as MTD\_Total\_Amount\_Collected from Bank\_Loandata

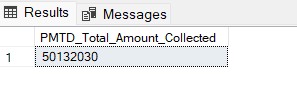
where MONTH(issue\_date) = 12 and YEAR(issue\_date) = 2021



/\*PMTD Total Amount Received \*/

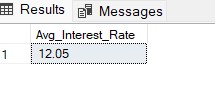
select sum(total\_payment) as PMTD\_Total\_Amount\_Collected from Bank\_Loandata

where MONTH(issue\_date) = 11 and YEAR(issue\_date) = 2021

****

/\* Average Interest Rate \*/

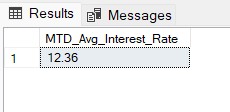
select round(avg(int\_rate), 4)\*100 as Avg\_Interest\_Rate from Bank\_Loandata



/\* Average MTD Interest Rate \*/

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

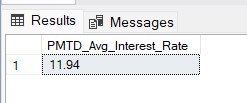
where MONTH(issue\_date) = 12 and YEAR(issue\_date) = 2021



/\* Average PMTD Interest Rate \*/

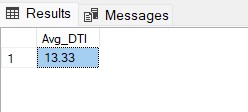
select round(avg(int\_rate), 4)\*100 as PMTD\_Avg\_Interest\_Rate from Bank\_Loandata

where MONTH(issue\_date) = 11 and YEAR(issue\_date) = 2021

****

/\* Average DTI \*/

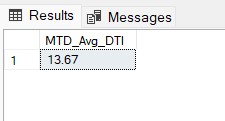
select round(avg(dti), 4)\*100 as Avg\_DTI from Bank\_Loandata



/\* Average MTD DTI \*/

select round(avg(dti), 4)\*100 as MTD\_Avg\_DTI from Bank\_Loandata

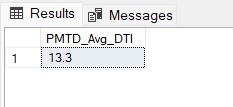
where MONTH(issue\_date) = 12 and YEAR(issue\_date) = 2021



/\* Average PMTD DTI \*/

select round(avg(dti), 4)\*100 as PMTD\_Avg\_DTI from Bank\_Loandata

where MONTH(issue\_date) = 11 and YEAR(issue\_date) = 2021

****

/\* Good Loan Issued \*/

select \* from Bank\_Loandata

/\* Good Loan Percentage \*/

select loan\_status from Bank\_Loandata

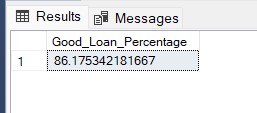
select

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

/

count(id) as Good\_Loan\_Percentage

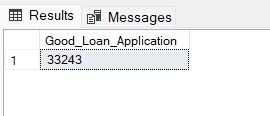
from Bank\_Loandata



/\* Good Loan Application \*/

select count(id) as Good\_Loan\_Application from Bank\_Loandata

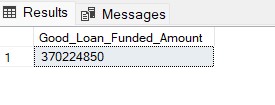
where loan\_status = 'Fully Paid' OR loan\_status = 'Current'



/\* Good Loan Funded Amount \*/

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

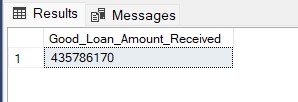
where loan\_status = 'Fully Paid' OR loan\_status = 'Current'



/\* Good Loan Amount Received \*/

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

where loan\_status = 'Fully Paid' OR loan\_status = 'Current'



/\* Bad Loan Percentage \*/

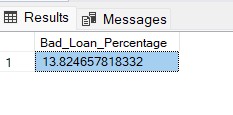
select

(count(case when loan\_status = 'Charged Off' then id END) \* 100.0)

/

count(id) as Bad\_Loan\_Percentage

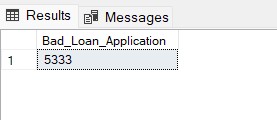
from Bank\_Loandata



/\* Bad Loan Application \*/

select count(id) as Bad\_Loan\_Application from Bank\_Loandata

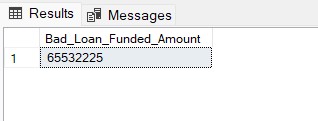
where loan\_status = 'Charged Off'



/\* Bad Loan Funded Amount \*/

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

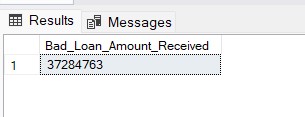
where loan\_status = 'Charged Off'



/\* Bad Loan Amount Received \*/

select sum(total\_payment) as Bad\_Loan\_Amount\_Received from Bank\_Loandata

where loan\_status = 'Charged Off'



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,

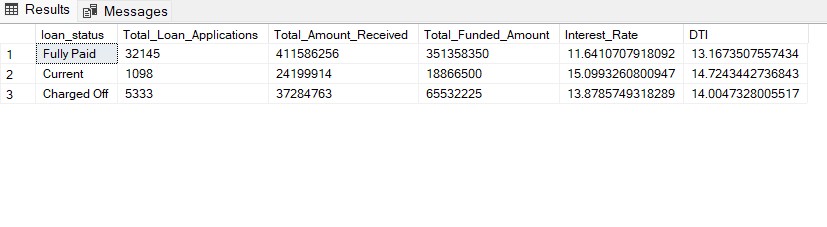
avg(dti \* 100) as DTI

from

Bank\_Loandata

group by

loan\_status

****

select

loan\_status,

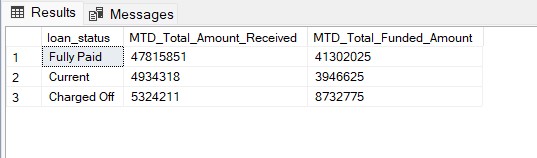
sum(total\_payment) as MTD\_Total\_Amount\_Received,

sum(loan\_amount) as MTD\_Total\_Funded\_Amount

from Bank\_Loandata

where month(issue\_date) = 12

group by loan\_status



/\* Dashboard 2 Overview \*/

/\* Bank Loan Report Overview \*/

select \* from Bank\_Loandata

select

MONTH(issue\_date) as Month\_Number,

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

COUNT(id) as Total\_Loan\_Application,

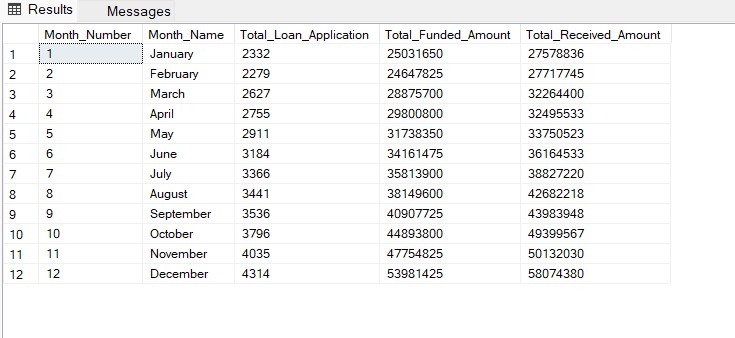
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from Bank\_Loandata

GROUP BY MONTH(issue\_date), DATENAME(MONTH, issue\_date)

ORDER BY MONTH(issue\_date)



/\* Regional Analysis By State \*/

select address\_state,

COUNT(id) as Total\_Loan\_Application,

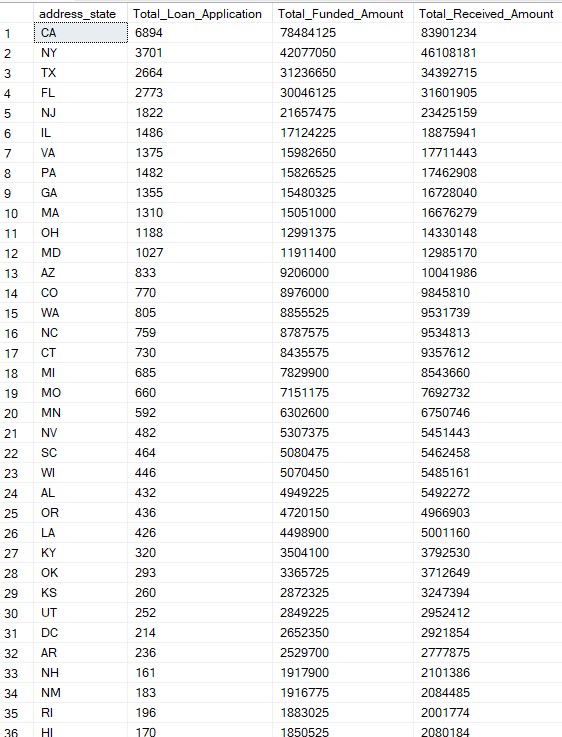
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from Bank\_Loandata

Group By address\_state

Order By SUM(loan\_amount) DESC



select address\_state as State,

COUNT(id) as Total\_Loan\_Application,

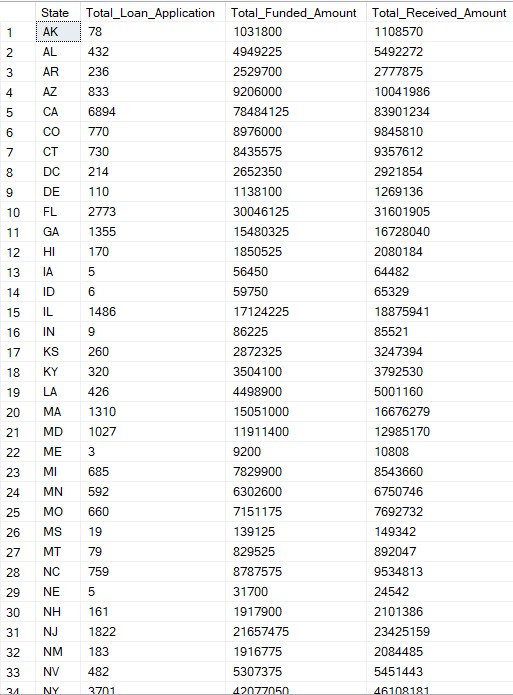
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from Bank\_Loandata

Group By address\_state

Order By address\_state



/\* Term \*/

select term as Term,

COUNT(id) as Total\_Loan\_Application,

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

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

from Bank\_Loandata

Group By term

Order By term



/\* Employee Length \*/

select emp\_length as Employee\_Length,

COUNT(id) as Total\_Loan\_Application,

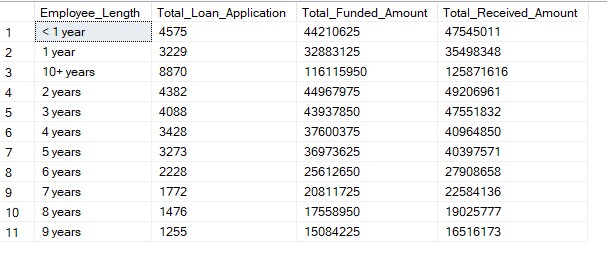
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from Bank\_Loandata

Group By emp\_length

Order By emp\_length

****

/\* With Respect To Purpose \*/

select \* from Bank\_Loandata

select purpose as Purpose,

COUNT(id) as Total\_Loan\_Application,

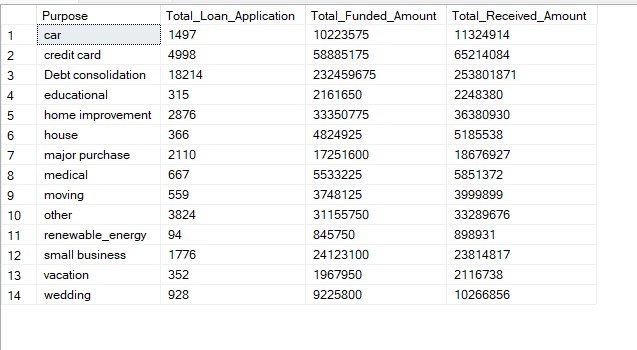
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from Bank\_Loandata

Group By purpose

Order By purpose



/\* with respect to home ownership \*/

select home\_ownership as HomeOwnership,

COUNT(id) as Total\_Loan\_Application,

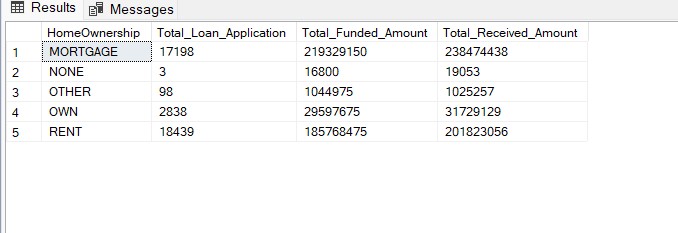
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from Bank\_Loandata

Group By home\_ownership

Order By home\_ownership



select purpose as Purpose,

COUNT(id) as Total\_Loan\_Application,

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

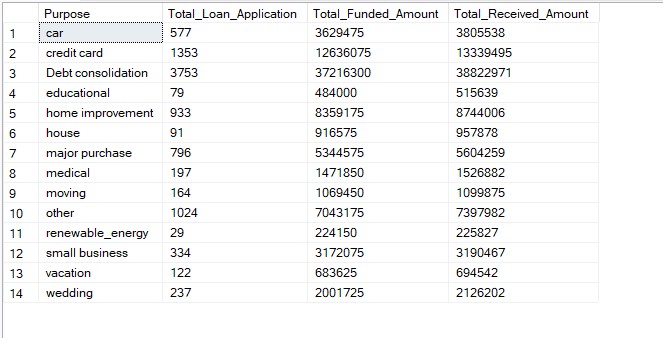
SUM(total\_payment) as Total\_Received\_Amount

from Bank\_Loandata

where grade = 'A'

Group By purpose

Order By purpose

****