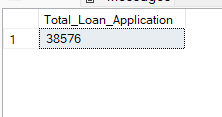
**KPI’S:**

select \* from bank\_loan\_data

--Total Loan application

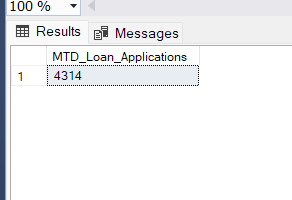
select COUNT(id) as Total\_Loan\_Application from bank\_loan\_data



-----the Month-to-Date (MTD) Loan Applications--------latest--

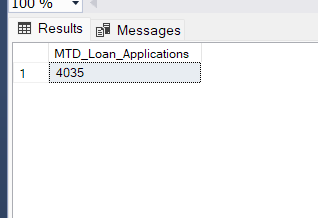
select COUNT(id) as MTD\_Loan\_Applications from bank\_loan\_data

where Month(issue\_date)=12 AND YEAR(issue\_date)=2021



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

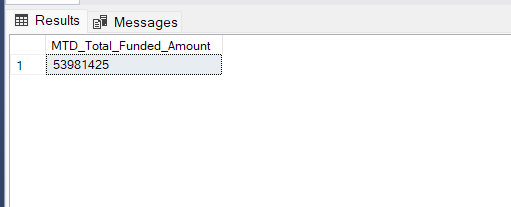
where Month(issue\_date)=11 AND YEAR(issue\_date)=2021



--------------Total Funded Amount--------------------------

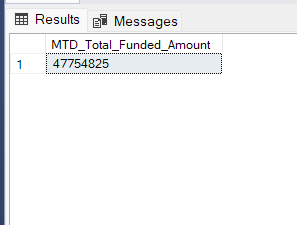
select sum(loan\_amount) as MTD\_Total\_Funded\_Amount from bank\_loan\_data

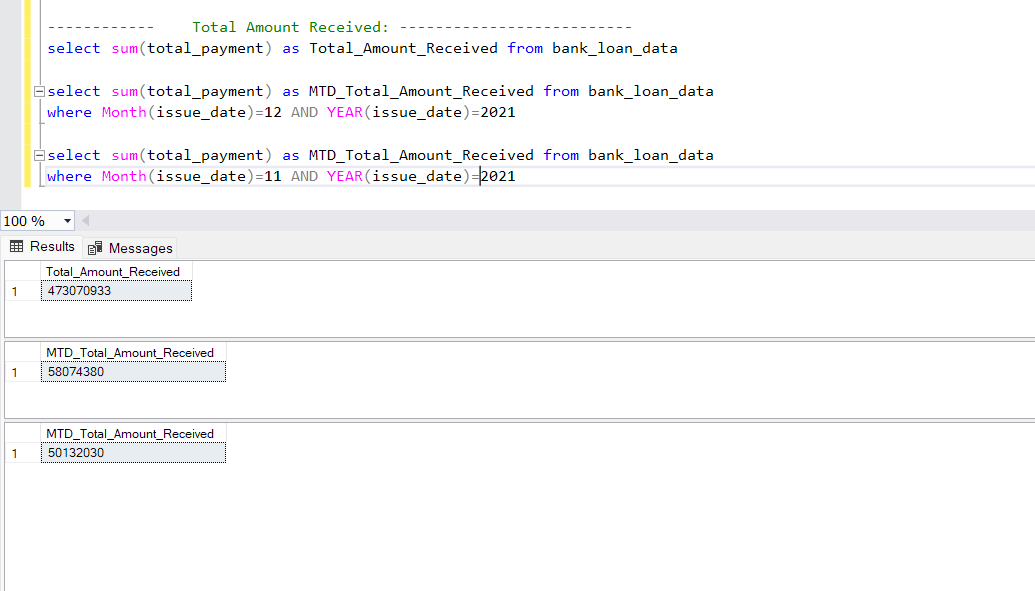
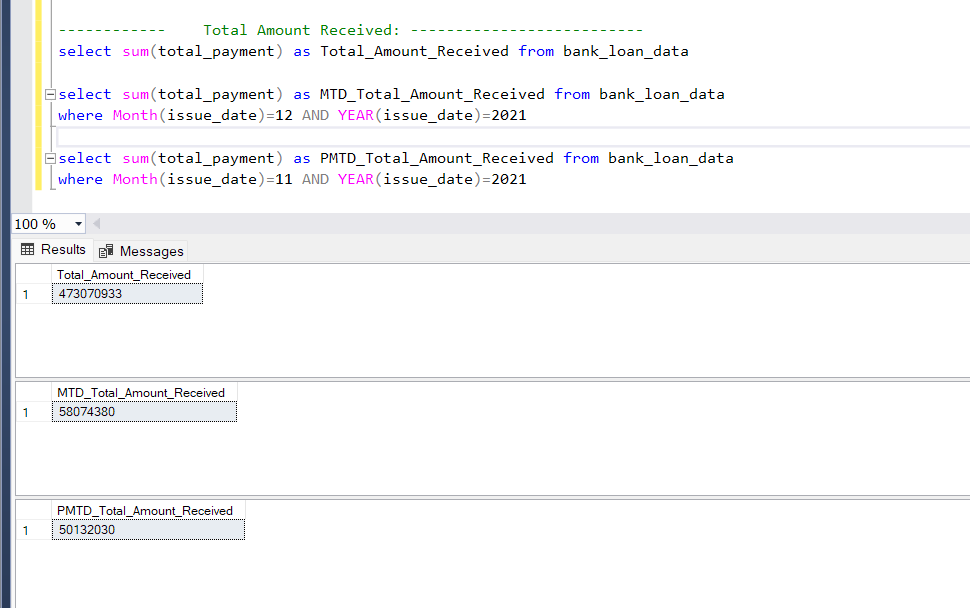
where Month(issue\_date)=12 AND YEAR(issue\_date)=2021

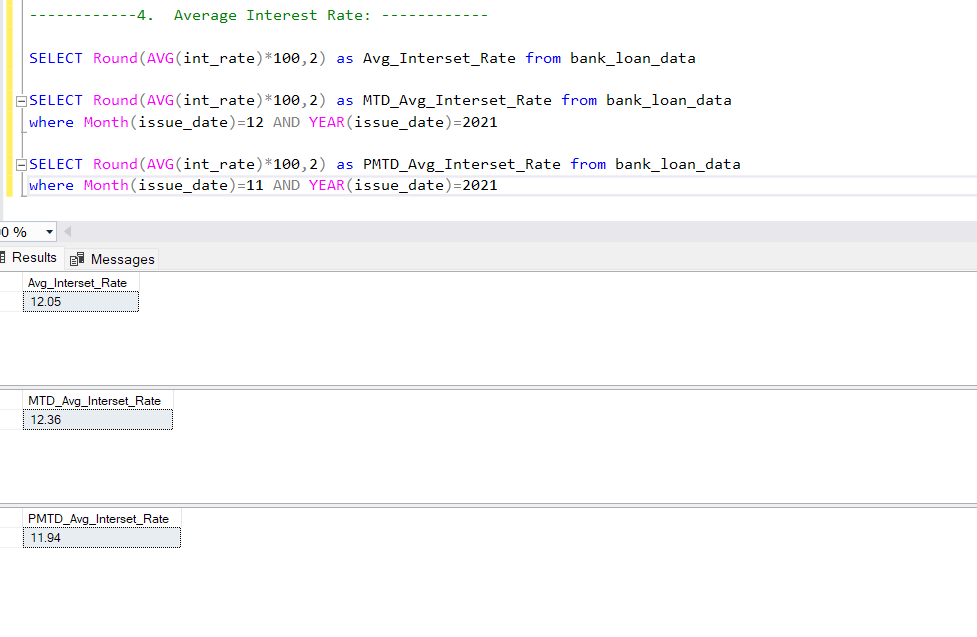


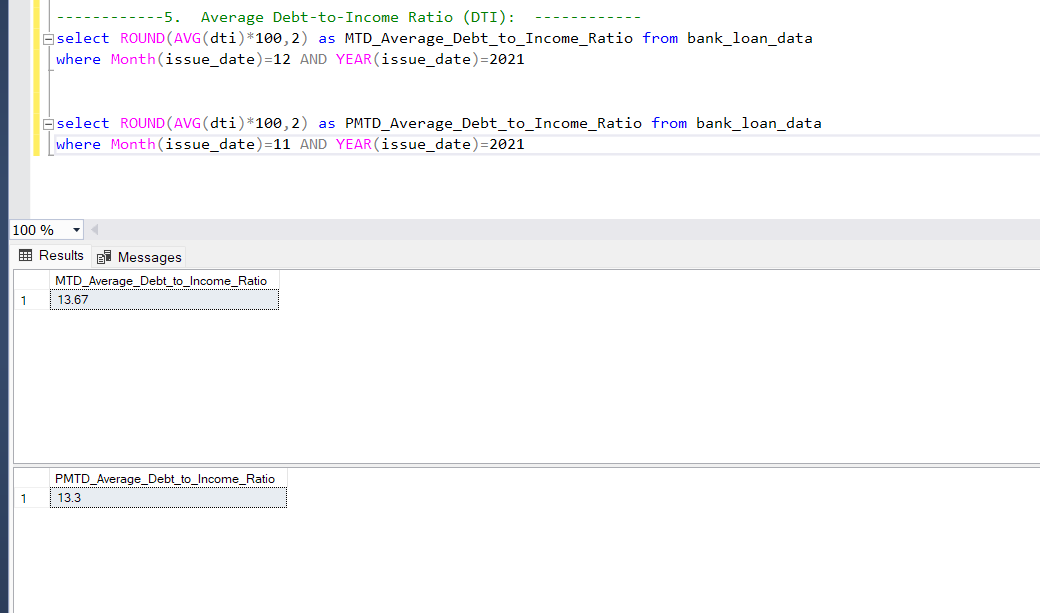
select sum(loan\_amount) as MTD\_Total\_Funded\_Amount from bank\_loan\_data

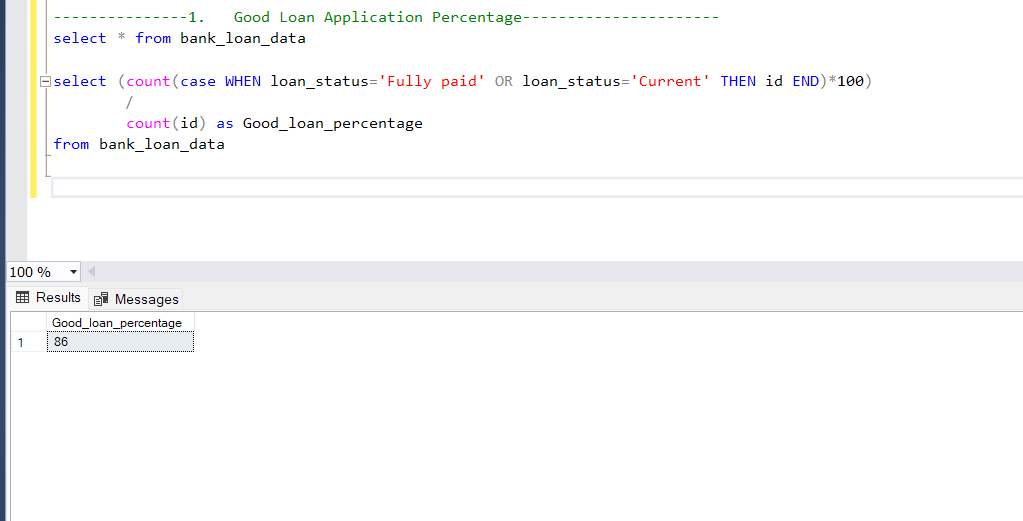
where Month(issue\_date)=11 AND YEAR(issue\_date)=2021

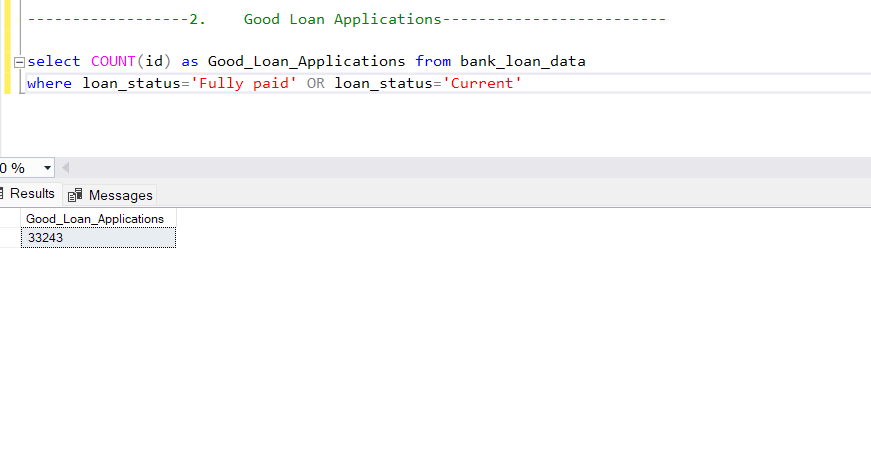


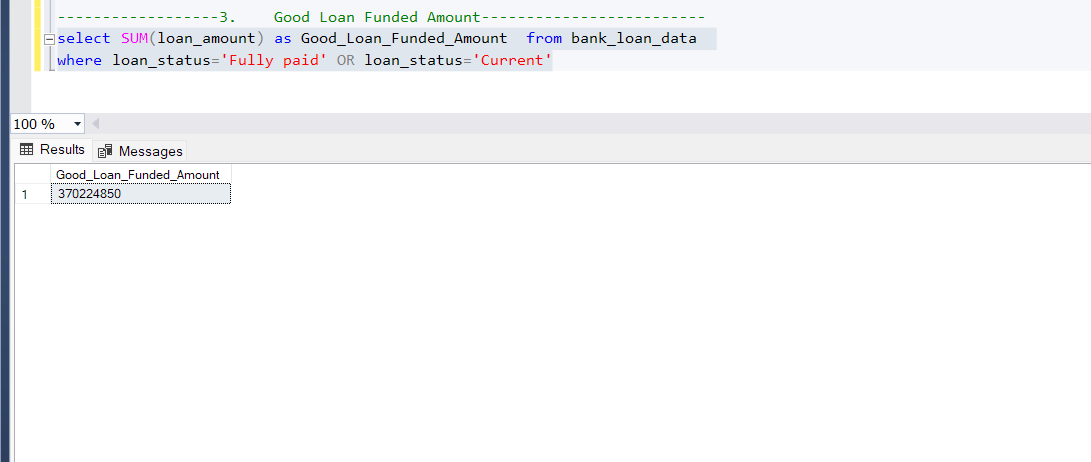


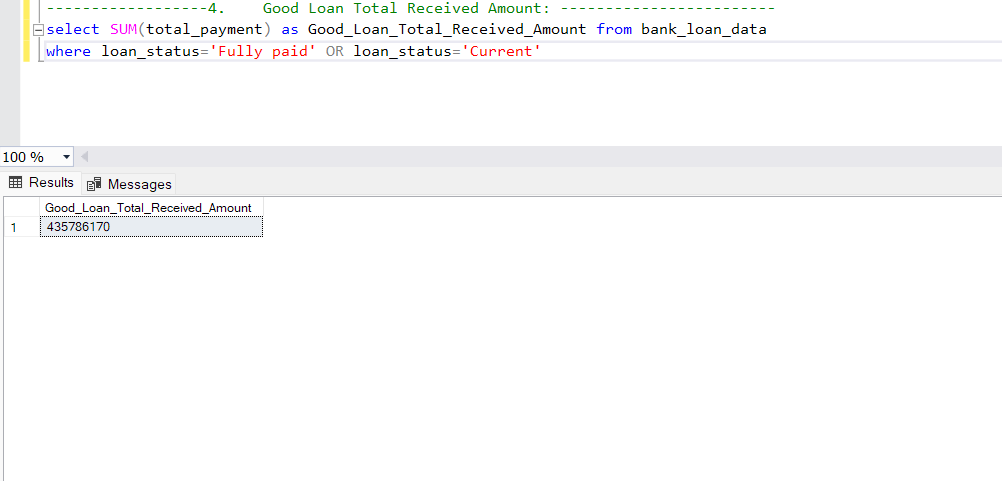


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-----------------------------Bad Loan KPIs----------------------------------

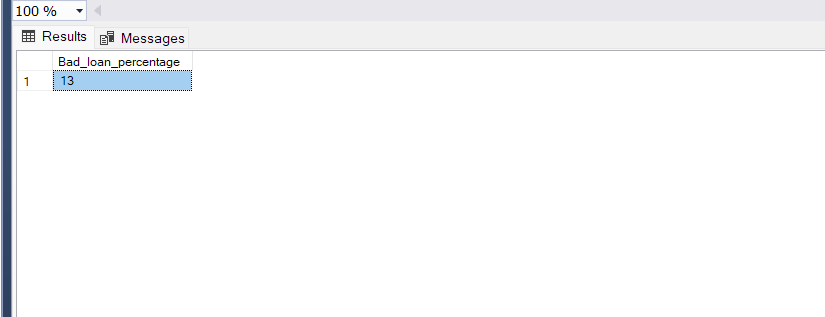
-----------1. Bad Loan Application Percentage---------------------

select (count(case WHEN loan\_status='Charged off' THEN id END)\*100)

/

count(id) as Bad\_loan\_percentage

from bank\_loan\_data

****

-----------2 Bad Loan Application ---------------------

select COUNT(id) as Bad\_Loan\_Application

from bank\_loan\_data

where loan\_status='Charged off'

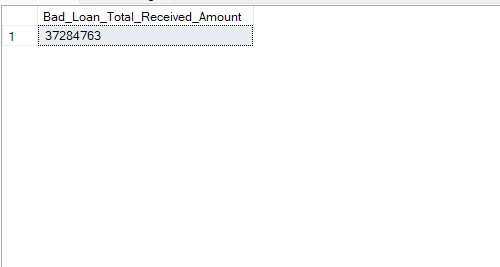
****

---------------------4. Bad Loan Total Received Amount: ---------------------

select SUM(total\_payment) as Bad\_Loan\_Total\_Received\_Amount

from bank\_loan\_data

where loan\_status='Charged off'

****

select

loan\_status,

count(id) as Total\_Loan\_Applications,

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

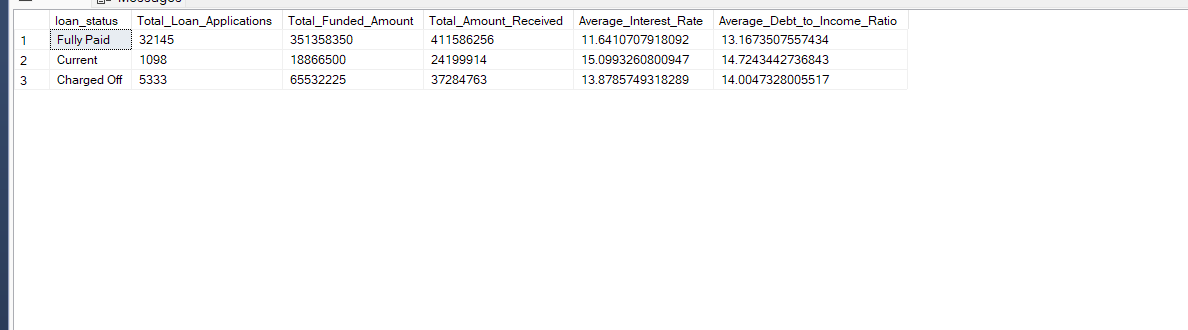
sum(total\_payment) as Total\_Amount\_Received,

AVG(int\_rate \*100) as Average\_Interest\_Rate,

AVG(dti \*100) as Average\_Debt\_to\_Income\_Ratio

from bank\_loan\_data

Group by loan\_status

****

select loan\_status,

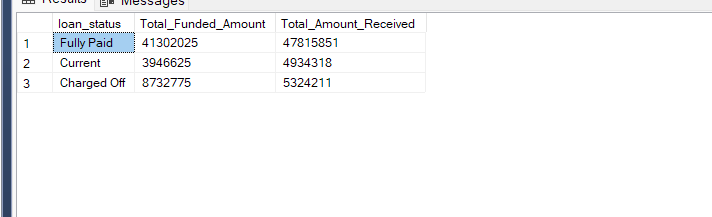
sum(loan\_amount) as MTD\_Total\_Funded\_Amount,

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

from bank\_loan\_data

where MONTH(issue\_date)=12

Group by loan\_status

****

-----------------------------OverView------------------

---------Monthly Trends by Issue Date --------------------------

select

MONTH(issue\_date) as Month\_Number,

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

COUNT(id) as Total\_Loan\_Application ,

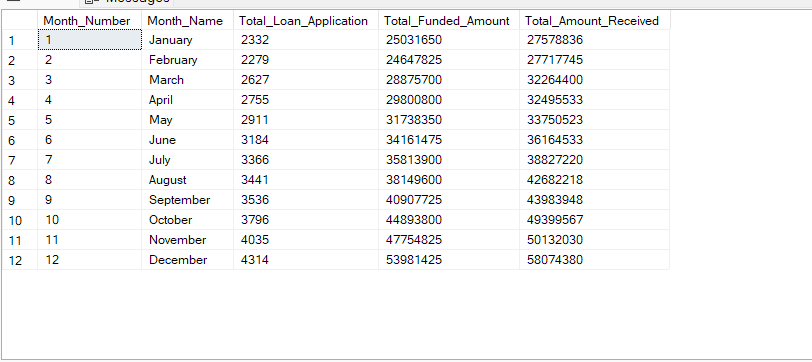
SUM(loan\_amount) as Total\_Funded\_Amount,

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)

****

---------Regional Analysis by State --------------------------

select

address\_state ,

COUNT(id) as Total\_Loan\_Application ,

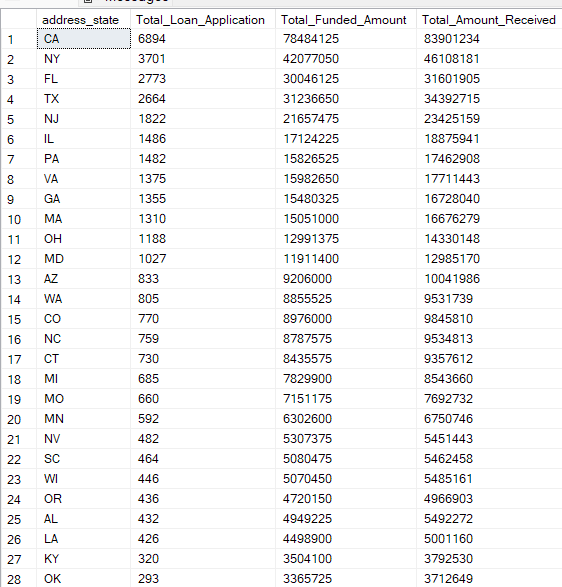
SUM(loan\_amount) as Total\_Funded\_Amount,

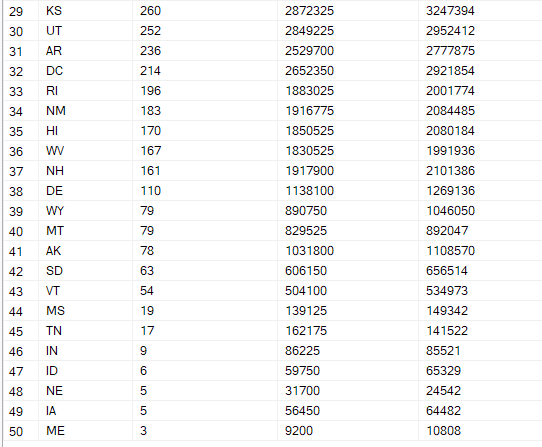
sum(total\_payment) as Total\_Amount\_Received

from bank\_loan\_data

GROUP BY address\_state

order by COUNT(id) DESC

****

****

---------------------------------3. Loan Term Analysis --------------------

Select

term ,

COUNT(id) as Total\_Loan\_Application ,

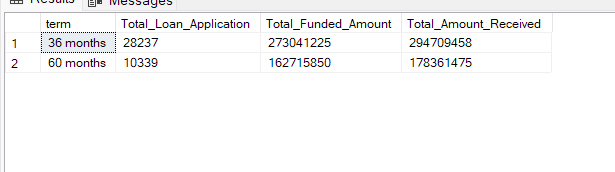
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from bank\_loan\_data

GROUP BY term

order by COUNT(id) DESC

****

---------------------------------4..Employee Length Analysis --------------------

Select

emp\_length ,

COUNT(id) as Total\_Loan\_Application ,

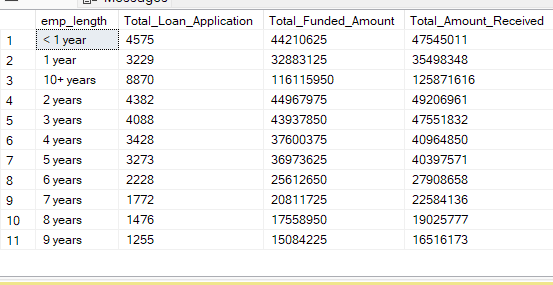
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from bank\_loan\_data

GROUP BY emp\_length

order by emp\_length

****

---------------------------------5.Loan Purpose Breakdown --------------------

Select

purpose ,

COUNT(id) as Total\_Loan\_Application ,

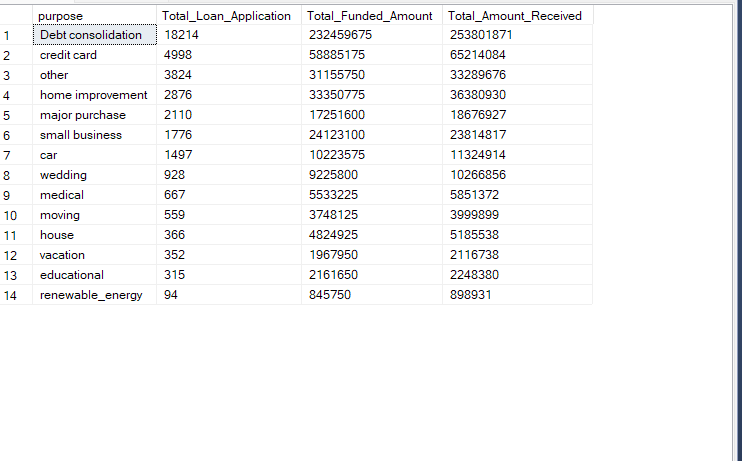
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from bank\_loan\_data

GROUP BY purpose

order by COUNT(id) DESC

****

---------------------------------6.Home Ownership Analysis --------------------

Select

home\_ownership ,

COUNT(id) as Total\_Loan\_Application ,

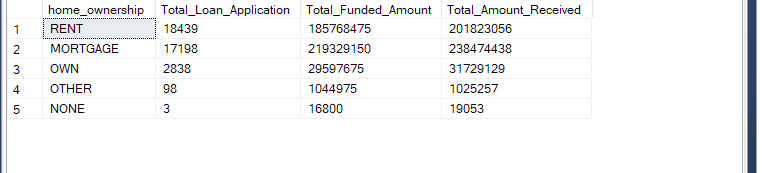
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from bank\_loan\_data

GROUP BY home\_ownership

order by COUNT(id) DESC

****