**BANK LOAN REPORT QUERY DOCUMENTS**

* **SQL**

1. **Total Loan Application**

select COUNT(id) As Total\_loan\_Application from Bank\_Loan\_data



1. **MTD Total Loan Application**

select COUNT(id) As MTD\_Total\_loan\_Application from Bank\_Loan\_dataT

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



1. **PMTD Total Loan Application**

SELECT COUNT (id) AS PMTD\_Total\_Loan\_Application FROM Bank\_loan\_data

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



1. **Total Funded Amount**

select sum ( loan\_Amount ) as Total\_Funded\_Amount from Bank\_loan\_data



1. **MTD\_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



1. **PMTD\_Total\_Funded\_Amount**

select sum ( loan\_Amount ) as PMTD\_Total\_Funded\_Amount from Bank\_loan\_data

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



1. **Total\_Amount\_Recived**

SELECT SUM (total\_payment) as Total\_Amount\_Recived from Bank\_Loan\_data



1. **MTD\_Total\_Amount\_Recived**

SELECT SUM (total\_payment) as MTD\_Total\_Amount\_Recived from Bank\_Loan\_data

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



1. **PMTD\_Total\_Amount\_Recived**

SELECT SUM (total\_payment) as PMTD\_Total\_Amount\_Recived from Bank\_Loan\_data

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



1. **Avg\_Interest\_Rate**

select AVG (Int\_rate) \* 100 As Avg\_Interest\_Rate from Bank\_Loan\_data



1. **MTD\_Avg\_Interest\_Rate**

select AVG (Int\_rate) \* 100 As MTD\_Avg\_Interest\_Rate from Bank\_Loan\_data

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



1. **PMTD\_Avg\_Inerest\_Rate**

select AVG (Int\_rate) \* 100 As PMTD\_Avg\_Interest\_Rate from Bank\_Loan\_data

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



1. **Avg\_DTI**

select AVG(dti) \* 100 As Avg\_DTI from Bank\_Loan\_data



1. **MTD\_Avg\_DTI**

select AVG(dti) \* 100 As MTD\_Avg\_DTI from Bank\_Loan\_data

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



1. **PMTD\_Avg\_DTI**

select AVG(dti) \* 100 As PMTD\_Avg\_DTI from Bank\_Loan\_data

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



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



1. **Good\_Loan\_Application**

SELECT COUNT(id) AS Good\_Loan\_Application FROM Bank\_Loan\_Data

WHERE Loan\_status = 'Fully Paid' OR loan\_status = 'Current'



1. **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'



1. Good\_Loan\_Recived\_Amount

SELECT SUM (total\_payment) AS Good\_Loan\_Recived\_Amount FROM Bank\_Loan\_Data

WHERE Loan\_status = 'Fully Paid' OR loan\_status = 'Current'



1. **Bad\_Loan\_Percentage**

SELECT

(COUNT (CASE WHEN loan\_status = 'Charged OFF' THEN id END )\* 100.0)/

COUNT(id) AS Bad\_Loan\_Percentage

FROM Bank\_Loan\_Data



1. **Bad\_Loan\_Application**

SELECT COUNT(id) AS Bad\_Loan\_Application FROM Bank\_Loan\_Data

WHERE Loan\_status = 'Charged OFF'



1. **Bad\_Loan\_funded\_Amount**

SELECT SUM (loan\_amount) AS Bad\_Loan\_Funded\_Amount FROM Bank\_Loan\_Data

WHERE Loan\_status = 'Charged OFF'



1. **Bad\_ Loan\_Amount\_Recived**

SELECT SUM (total\_payment) AS Bad\_Loan\_Amount\_Recived FROM Bank\_Loan\_Data

WHERE Loan\_status = 'Charged OFF'

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1. **Loan\_Status**

SELECT

loan\_status,

COUNT (id) AS Total\_loan\_Application,

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

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

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

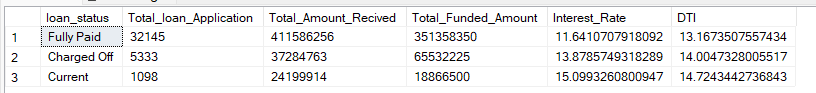
AVG ( dti \* 100 ) AS DTI

FROM

Bank\_Loan\_Data

GROUP BY

loan\_status



25) Loan Status

select

loan\_status,

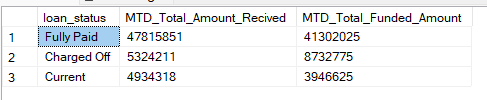
sum (total\_payment) AS MTD\_Total\_Amount\_Recived,

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

from Bank\_Loan\_Data

where Month (issue\_date) = 12

group by loan\_status



**DASHBOARD 2 - OVERVIEW**

1. **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,

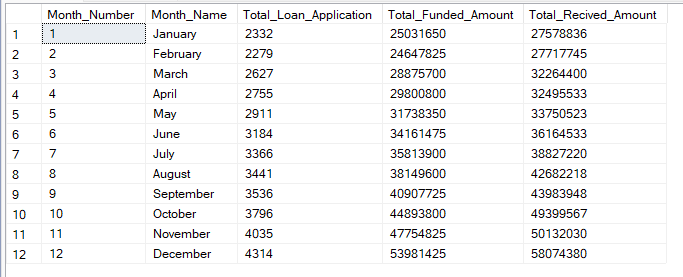
SUM( loan\_amount) AS Total\_Funded\_Amount,

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

FROM Bank\_Loan\_Data

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

ORDER BY MONTH ( issue\_date )



1. **REGIONAL ANALYSIS BY STATE**

SELECT

Address\_state,

COUNT(id) AS Total\_Loan\_Application,

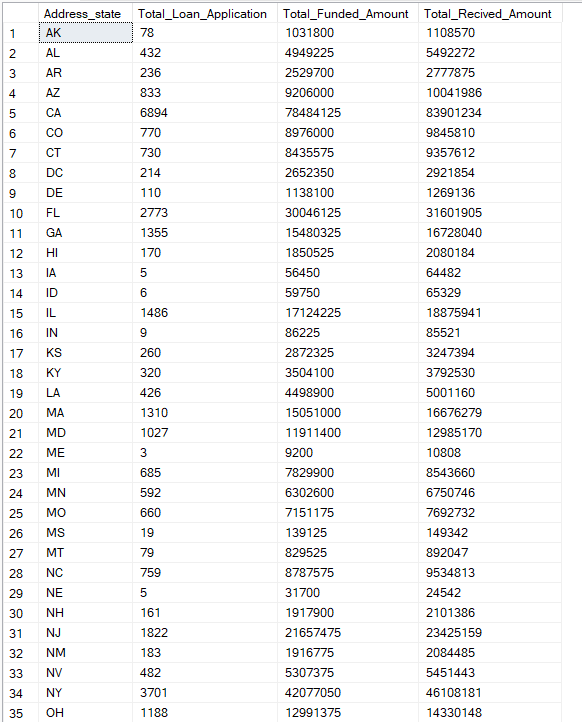
SUM( loan\_amount) AS Total\_Funded\_Amount,

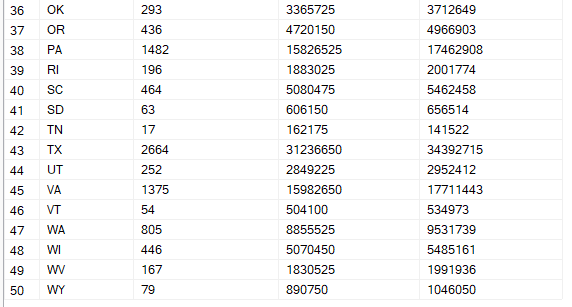
SUM( total\_payment ) AS Total\_Recived\_Amount

FROM Bank\_Loan\_Data

GROUP BY Address\_state

ORDER BY Address\_state





3**) Term**

SELECT

term,

COUNT(id) AS Total\_Loan\_Application,

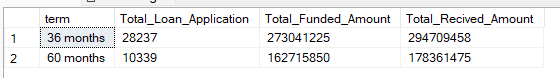
SUM( loan\_amount) AS Total\_Funded\_Amount,

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

FROM Bank\_Loan\_Data

GROUP BY term

ORDER BY term



**4) Employee\_ Length**

SELECT

emp\_length,

COUNT (id) AS Total\_Loan\_Application,

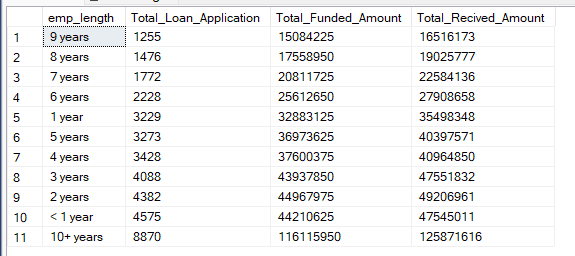
SUM ( loan\_amount) AS Total\_Funded\_Amount,

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

FROM Bank\_Loan\_Data

GROUP BY emp\_length

ORDER BY COUNT (id)



**5) Purpose**

SELECT

purpose,

COUNT (id) AS Total\_Loan\_Application,

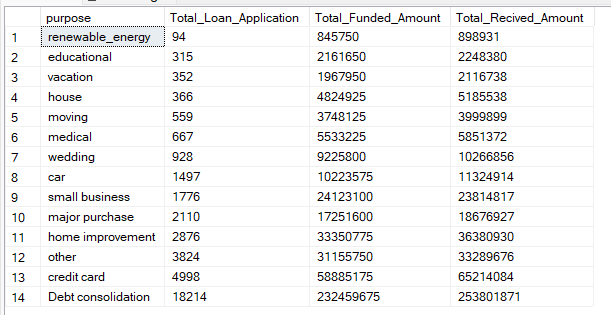
SUM ( loan\_amount) AS Total\_Funded\_Amount,

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

FROM Bank\_Loan\_Data

GROUP BY purpose

ORDER BY COUNT (id)



**6) Home Ownership**

SELECT

home\_ownership,

COUNT (id) AS Total\_Loan\_Application,

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

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

FROM Bank\_Loan\_Data

GROUP BY home\_ownership

ORDER BY COUNT (id)

