**BANK LOAN QUERY DOCUMENT**

# BANK LOAN REPORT – SUMMARY

# KPI’S :

## Total Loan Applications

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



## MTD LOAN APPLICATIONS

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

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



## PMTD LOAN APPLICATIONS

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

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



## TOTAL FUNDED AMOUNT

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



## 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



## 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



## TOTAL AMOUNT RECEIVED

select SUM(total\_payment) as Total\_Amount\_Received from bank\_loan\_data



## MTD TOTAL AMOUNT RECEIVED

select SUM(total\_payment) as MTD\_Total\_Amount\_Received from bank\_loan\_data

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\_data

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



## AVERAGE INTEREST RATE

select Round(AVG(int\_rate),4) \* 100 as Avg\_Int\_Rate from bank\_loan\_data



## MTD AVERAGE INTEREST

select Round(AVG(int\_rate),4) \* 100 as MTD\_Avg\_Int\_Rate from bank\_loan\_data

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



## PMTD AVERAGE INTEREST

select Round(AVG(int\_rate),4) \* 100 as PMTD\_Avg\_Int\_Rate from bank\_loan\_data

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



## AVG DTI

select Round(AVG(dti),4) \* 100 as AVG\_DTI from bank\_loan\_data



## MTD AVG DTI

select Round(AVG(dti),4) \* 100 as MTD\_AVG\_DTI from bank\_loan\_data

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



## PMTD AVG DTI

select Round(AVG(dti),4) \* 100 as PMTD\_AVG\_DTI from bank\_loan\_data

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\_data



## GOOD LOAN APPLICATIONS

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

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\_data

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\_data

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



# **BAD LOAN ISSUED**

## 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



## BAD LOAN APPLICATIONS

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

where loan\_status = 'Charged Off'



## BAD LOAN FUNDED AMOUNT

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

where loan\_status = 'Charged Off'



## BAD LOAN AMOUNT RECEIVED

select sum(total\_payment) as Bad\_Loan\_Amount\_Received from bank\_loan\_data

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,

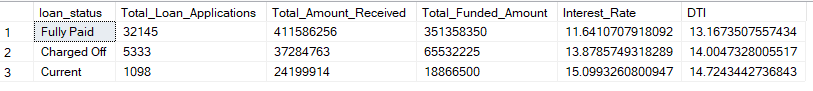
AVG(dti \* 100) as DTI

from

bank\_loan\_data

group by

loan\_status



select

loan\_status,

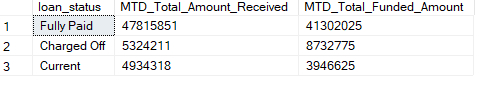
sum(total\_payment) as MTD\_Total\_Amount\_Received,

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

from bank\_loan\_data

where MONTH(issue\_date) = 12

group by loan\_status



# **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,

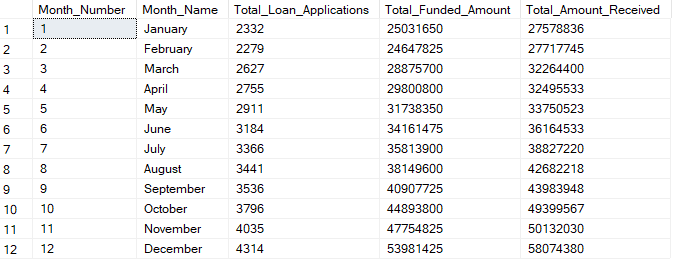
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from bank\_loan\_data

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,

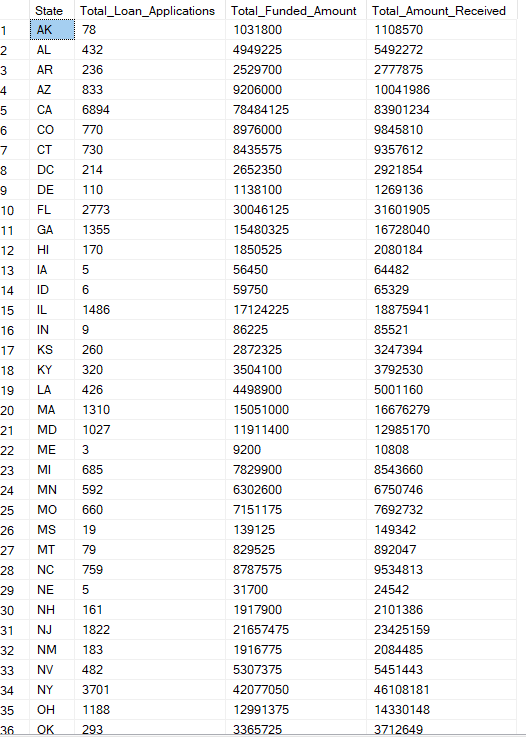
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from bank\_loan\_data

group by address\_state

order by address\_state



# **TERM**

select

term,

COUNT(id) as Total\_Loan\_Applications,

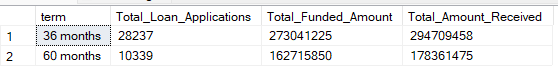
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from bank\_loan\_data

group by term

order by term



# **EMPLOYEE LENGTH**

select

emp\_length,

COUNT(id) as Total\_Loan\_Applications,

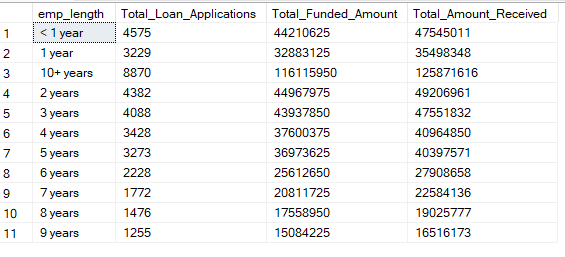
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from bank\_loan\_data

group by emp\_length

order by emp\_length



# **PURPOSE**

select

purpose,

COUNT(id) as Total\_Loan\_Applications,

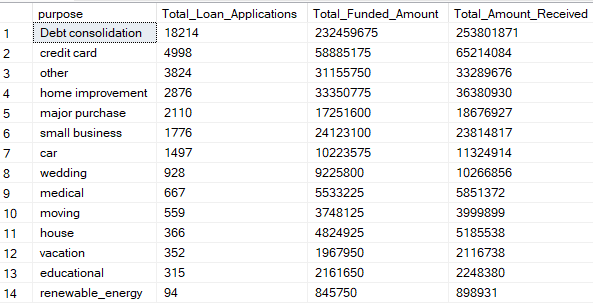
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from bank\_loan\_data

group by purpose

order by COUNT(id) desc



# **HOME OWNERSHIP**

select

home\_ownership,

COUNT(id) as Total\_Loan\_Applications,

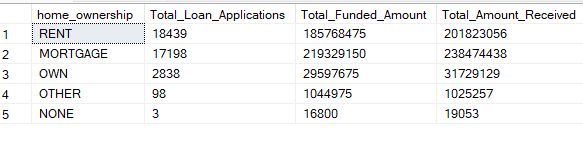
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from bank\_loan\_data

group by home\_ownership

order by COUNT(id) desc



## GRADE A AND ADDRESS NY

select

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

where grade = 'A' and address\_state = 'NY'

group by home\_ownership

order by COUNT(id) desc

