# **BANK LOAN /QUEARY DOCUMENT**

# Bank Loan Report

Kpi,s:

**Total Loan Application:**

SELECT COUNT(id) AS TOTAL\_LOAN\_APPLICATIONS FROM bank\_loan\_data

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**MONTH TO DATE TOTAL\_LOAN\_APPLICATION:**

SELECT COUNT(id) AS MTD\_TOTAL\_LOAN\_APPLICATIONS FROM bank\_loan\_data

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

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**Total\_Funded\_Amount:**

SELECT SUM(loan\_amount) as total\_funded\_amount from bank\_loan\_data

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

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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

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# **Month to Date 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

****

# **Avg\_interest\_rate:**

select round (AVG(int\_rate),4) \*100 as avg\_interest\_rate from bank\_loan\_data



# **Mtd\_Avg\_interest\_rate:**

select round (AVG(int\_rate),4) \*100 as pmtd\_mtd\_avg\_interest\_rate from bank\_loan\_data

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



# **Avg\_of\_dti:**

select round(AVG(dti),4) \*100 as avg\_dti from bank\_loan\_data



# **Mtd\_Avg\_of\_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\_of\_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\_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\_Application:**

select count(id) as Good\_Loan\_Application 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\_received\_Amount:**

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

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\_loan\_data



# **Bad\_Loan\_Application:**

select count(id) as bad\_loan\_application from bank\_loan\_data

where loan\_status = 'Charged off'



# **Bad\_Loan\_funded\_amount:**

select sum(loan\_amount) as bad\_loan\_funde\_Amount from bank\_loan\_data

where loan\_status = 'Charged off'



# **Bad\_Loan\_received\_amount:**

select sum(total\_payment) as bad\_loan\_amount\_received from bank\_loan\_data

where loan\_status = 'Charged off'



select

loan\_status,

COUNT(id) as Total\_loan\_application,

SUM(total\_payment) as total\_amount\_received,

SUM(loan\_amount) as total\_funded\_amount,

AVG(int\_rate \* 100) as interest\_rate,

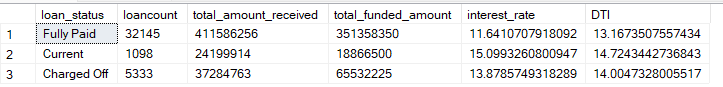
AVG(dti \*100) aS DTI

FROM

bank\_loan\_data

GROUP by

loan\_status



SELECT

loan\_status,

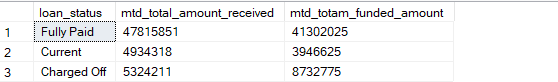
SUM(total\_payment) as mtd\_total\_amount\_received,

SUM(loan\_amount) as mtd\_totam\_funded\_amount

from bank\_loan\_data

where month(issue\_date) = 12

group by loan\_status



# Month

select

MONTH(issue\_date) as month\_number,

datename(MONTH,issue\_date) as month\_name,

COUNT(id) as total\_loan\_Application,

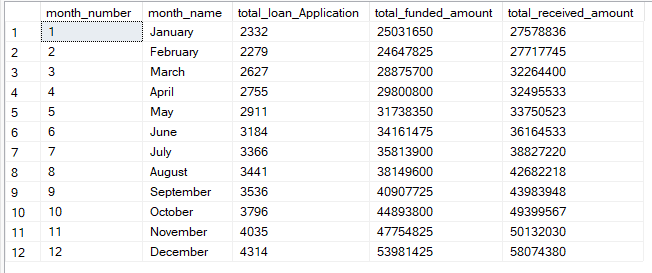
sum(loan\_amount) as total\_funded\_amount,

sum(total\_payment) as total\_received\_amount

from bank\_loan\_data

group by DATENAME(MONTH,issue\_date), MONTH(issue\_date)

order by MONTH(issue\_date)



# Address\_date:

select

address\_state,

COUNT(id) as total\_loan\_Application,

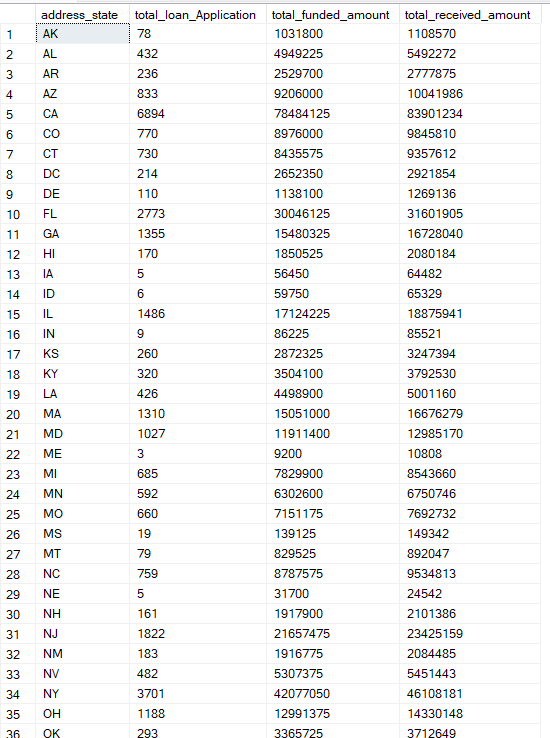
sum(loan\_amount) as total\_funded\_amount,

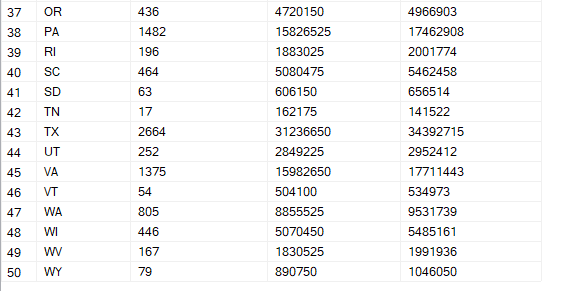
sum(total\_payment) as total\_received\_amount

from bank\_loan\_data

group by address\_state

order by address\_state





# Month by desc order:

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\_loan\_data

group by address\_state

order by count(id) desc

# term:

select

term,

count(id) as total\_loan\_Application,

SUM(loan\_amount) as total\_funded\_amount,

SUM(total\_payment) as total\_received\_amount

from bank\_loan\_data

group by term

order by term



# Respect to the employee lenth:

select

emp\_length,

count(id) as total\_loan\_Application,

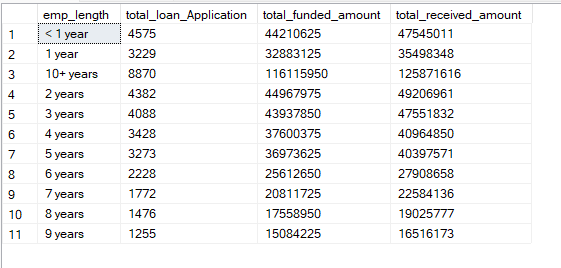
SUM(loan\_amount) as total\_funded\_amount,

SUM(total\_payment) as total\_received\_amount

from bank\_loan\_data

group by emp\_length

order by emp\_length



# purpose:

select

purpose,

count(id) as total\_loan\_Application,

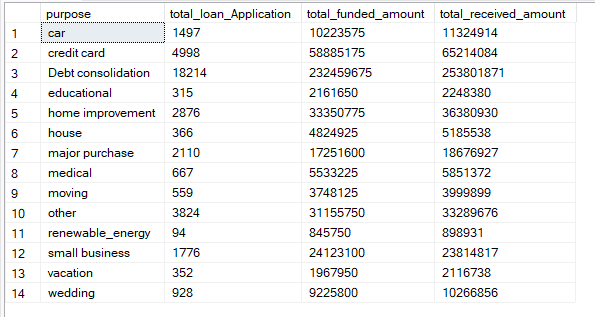
SUM(loan\_amount) as total\_funded\_amount,

SUM(total\_payment) as total\_received\_amount

from bank\_loan\_data

group by purpose

order by purpose



# purpose:

# decenting oder:

select

purpose,

count(id) as total\_loan\_Application,

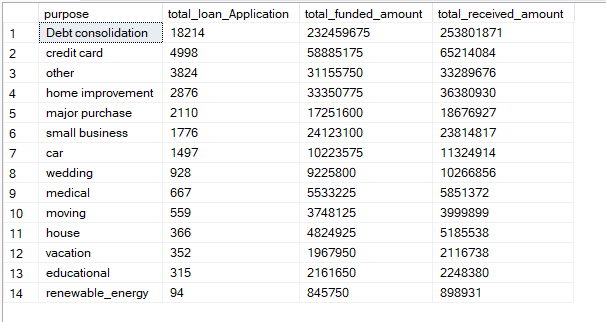
SUM(loan\_amount) as total\_funded\_amount,

SUM(total\_payment) as total\_received\_amount

from bank\_loan\_data

group by purpose

order by COUNT(id) desc



# Loan by home ownership:

select

home\_ownership,

count(id) as total\_loan\_Application,

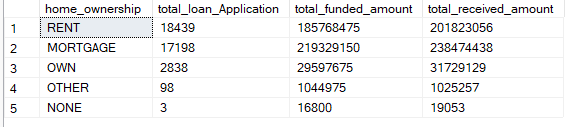
SUM(loan\_amount) as total\_funded\_amount,

SUM(total\_payment) as total\_received\_amount

from bank\_loan\_data

group by home\_ownership

order by COUNT(id) desc



# By Grade And Address State:

select

home\_ownership,

count(id) as total\_loan\_Application,

SUM(loan\_amount) as total\_funded\_amount,

SUM(total\_payment) as total\_received\_amount

from bank\_loan\_data

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

group by home\_ownership

order by COUNT(id) desc

