**Project**  
Bank loan data

select \* from Bank\_loan\_data

KPI’s

* **Total loan application**

select COUNT(id) as total\_loan\_application from Bank\_loan\_data

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* **Month to date total loan application**

select COUNT(id) as MTD\_Total\_loan\_application from Bank\_loan\_data

Where year(issue\_date)= 2021 And month(issue\_date) = 12

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* **Total funded amount**

select sum(loan\_amount) as total\_funded\_amount from Bank\_loan\_data

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* **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



* **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



* **Mtd avg interest rate**

select ROUND(avg(int\_rate),4)\*100 as MTD\_avg\_interest\_rate from Bank\_loan\_data

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



* **MTD average DTI(debt to income ratio)**

select ROUND(avg(dti),4)\*100 as MTD\_avg\_dti from Bank\_loan\_data

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



* **Good loan percentage**

select

(count(case when loan\_status = 'Fully paid' or loan\_status = 'current' thenid end)\*100)

/

count(id) as good\_loan\_percentage

from Bank\_loan\_data

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* **No. of good\_loan**

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'

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* **Good loan received amount**

select SUM(total\_payment) as good\_loan\_recived\_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)

/

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\_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'

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* **Group by all**

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

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* **MTD group by**

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

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* **Datename month wise data**

select

MONTH(issue\_date) as Month\_no,

datename(month,Issue\_date) as Month\_name,

count(id) as Total\_loan\_application,

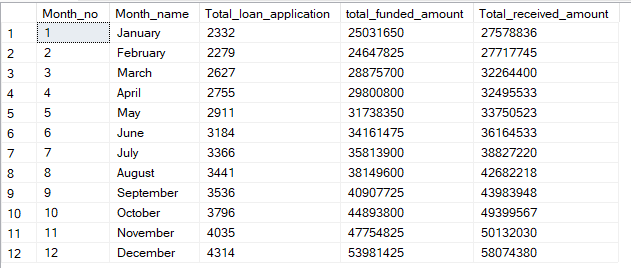
Sum(loan\_amount) as total\_funded\_amount,

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

from bank\_loan\_data

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

order by MONTH(issue\_date)



* **Address\_State wise group by**

select

address\_state,

COUNT(id) as total\_loan\_applications,

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

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* **Term wise group by**

select

term,

COUNT(id) as total\_loan\_applications,

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

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

from bank\_loan\_data

group by term

order by term

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* **Group by as emp\_length**  
  select

emp\_length,

COUNT(id) as total\_loan\_applications,

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

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* **Group by wise Purpose**

select

purpose,

COUNT(id) as total\_loan\_applications,

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

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* **Group by home\_ownership wise**

select

home\_ownership,

COUNT(id) as total\_loan\_applications,

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

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