**SQL QUERY OPERATIONS**

>> select \* from bank\_loan\_data;

>> select count(id) as Total\_Loan\_Applications from bank\_loan\_data;

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

where MONTH(issue\_date) =11 AND YEAR(issue\_date) = 2021;

select count(id) as Total\_Loan\_Applications 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) =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;

>> select sum(total\_payment) as Total\_Amount\_recieved from bank\_loan\_data;

select sum(total\_payment) as Total\_Amount\_recieved from bank\_loan\_data

where MONTH(issue\_date) =11 AND YEAR(issue\_date) = 2021;

select sum(total\_payment) as Total\_Amount\_recieved from bank\_loan\_data

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

>> select AVG(int\_rate) \* 100 as Avg\_Interest\_Rate From bank\_loan\_data;

>> select ROUND(AVG(int\_rate),4) \* 100 as Avg\_Interest\_Rate From bank\_loan\_data

where MONTH(issue\_date) =11 AND YEAR(issue\_date) = 2021;

>> select ROUND(AVG(int\_rate),4) \* 100 as Avg\_Interest\_Rate From bank\_loan\_data

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

>> Select Round(avg(dti),4) \* 100 as MTD\_AVG\_DTI From bank\_loan\_data

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

Select Round(avg(dti),4) \* 100 as MTD\_AVG\_DTI From bank\_loan\_data

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

>> 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

>> select count(id) as Good\_Loan\_Funded\_Amount from bank\_loan\_data

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

>> select count(total\_payment) as Good\_Loan\_Recieved\_Amount from bank\_loan\_data

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

>> Select (count(case when loan\_status = 'Charged Off' Then id End)\*100.0)

/Count(id) AS Bad\_loan\_percentage

from bank\_loan\_data

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

where loan\_status ='Charged Off'

>> select sum(loan\_amount) as Bad\_Loan\_Funded\_amount From bank\_loan\_data

where loan\_status ='Charged Off'

>> select sum(total\_payment) as Bad\_Loan\_Amount\_Recieved From bank\_loan\_data

where loan\_status ='Charged Off'

>> Select

loan\_status,

count(id) as LoanCount,

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

>> 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\_Recieved\_Amount

From bank\_loan\_data

Group By DATENAME(Month,issue\_date),Month(issue\_date)

Order By Month(issue\_date)

>> select

address\_state,

Count(id) as Total\_Loan\_Applications,

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

Sum(total\_payment) as Total\_Recieved\_Amount

From bank\_loan\_data

Group By address\_state

Order By Count(id) Desc

>> select

term,

Count(id) as Total\_Loan\_Applications,

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

Sum(total\_payment) as Total\_Recieved\_Amount

From bank\_loan\_data

Group By term

Order By term

>> select

emp\_length,

Count(id) as Total\_Loan\_Applications,

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

Sum(total\_payment) as Total\_Recieved\_Amount

From bank\_loan\_data

Group By emp\_length

Order By count(id) desc

>> select

home\_ownership,

Count(id) as Total\_Loan\_Applications,

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

Sum(total\_payment) as Total\_Recieved\_Amount

From bank\_loan\_data

Group By home\_ownership

Order By count(id) desc

>> select

home\_ownership,

Count(id) as Total\_Loan\_Applications,

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

Sum(total\_payment) as Total\_Recieved\_Amount

From bank\_loan\_data

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

Group By home\_ownership

Order By count(id) desc