--Dash Board 1

--1.

--Total Loan Applications:

select distinct count(id) as Total\_Applications from financial\_loan

--MTD(Month to Date) Applications

select distinct count(id) as MTD\_Total\_Applications from financial\_loan

where month(issue\_date) = 12 and year(issue\_date) =2021

--MOM(Month on Month) Total Apllications

select distinct count(id) as PMTD\_Total\_Applications from financial\_loan

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

--2.

--Total Funded Amount:

select sum(loan\_amount) as Total\_Funded\_Amount from financial\_loan

--MTD(Month to Date)

select sum(loan\_amount) as MTD\_Total\_Funded\_Amount from financial\_loan

where month(issue\_date) = 12 and year(issue\_date) =2021

--MOM(Month on Month)

select sum(loan\_amount) as PMTD\_Total\_Funded\_Amount from financial\_loan

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

--3.

--Total Amount Received:

select sum(total\_payment) as Total\_Amount\_Received from financial\_loan

--MTD(Month to Date)

select sum(total\_payment) as MTD\_Total\_Amount\_Received from financial\_loan

where month(issue\_date) = 12 and year(issue\_date) =2021

--MOM(Month on Month)

select sum(total\_payment) as PMTD\_Total\_Amount\_Received from financial\_loan

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

--4.

--Average Interest Rate

select round((avg(int\_rate)\*100),2) as Avg\_int\_rate from financial\_loan

--MTD(Month to Date)

select round((avg(int\_rate)\*100),2) as MTD\_Avg\_int\_rate from financial\_loan

WHERE month(issue\_date) = 12 and year(issue\_date) =2021

--MOM(Month on Month)

select round((avg(int\_rate)\*100),2) as PMTD\_Avg\_int\_rate from financial\_loan

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

--5.

--Average Debt-to-Income Ratio (DTI)

select round((avg(dti)\*100),2) as Avg\_DTI from financial\_loan

--MTD(Month to Date)

select round((avg(dti)\*100),2) as MTD\_Avg\_DTI from financial\_loan

WHERE month(issue\_date) = 12 and year(issue\_date) =2021

--MOM(Month on Month)

select round((avg(dti)\*100),2) as PMTD\_Avg\_DTI from financial\_loan

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

--Good Loan KPIs:

--2.Good Loan Application

select distinct count(id) as Good\_Loan\_Application from financial\_loan

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

--1.Good Loan Application Percentage:

select

((count(case when loan\_status = 'Fully Paid' or loan\_status = 'current' then id end)\*100)

/

count(id)) as Good\_Loan\_Application\_Percentage

from financial\_loan

--3.Good Loan Funded Amount:

select sum(loan\_amount) as Good\_Loan\_Funded\_Amount from financial\_loan

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

--4.Good Loan Total Received Amount

select sum(total\_payment) as Good\_Loan\_Total\_Received\_Amount from financial\_loan

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

--Bad Loan KPIs:

--2.Bad Loan Applications:

select distinct count(id) as Bad\_Loan\_Application from financial\_loan

where loan\_status = 'Charged Off'

--1.Bad Loan Application Percentage:

select

((count(case when loan\_status = 'Charged Off' then id end )\*100)

/

count(id)) as Bad\_Loan\_Application\_Percentage

from financial\_loan

--3.Bad Loan Funded Amount

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

where loan\_status = 'Charged Off'

--4.Bad Loan Total Received Amount

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

where loan\_status = 'Charged Off'

-- Loan Status

select

loan\_status,

count(id) as Total\_Loan\_Application,

sum(loan\_amount) as Total\_Loan\_Amount,

sum(total\_payment) as Total\_Amount\_Received,

round(avg(int\_rate\*100),2) as Int\_Rate,

round(avg(dti\*100),2) as DTI

from financial\_loan

group by loan\_status

-- Loan Status MTD

select

loan\_status,

count(id) as Total\_Loan\_Application,

sum(loan\_amount) as Total\_Loan\_Amount,

sum(total\_payment) as Total\_Amount\_Received,

round(avg(int\_rate\*100),2) as Int\_Rate,

round(avg(dti\*100),2) as DTI

from financial\_loan

where month(issue\_date) = 12

group by loan\_status

--Dashboard 2

--1.Monthly Trends by Issue Date

select

month(issue\_date) as month\_num,

datename(month,issue\_date) as Month\_issued,

count(id) as Total\_Applications,

sum(loan\_Amount) as Total\_Loan\_Amount,

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

from financial\_loan

group by month(issue\_date),datename(month,issue\_date)

order by month(issue\_date)

--2.Regional Analysis by State

select

address\_state as state\_Name,

count(id) as Total\_Applications,

sum(loan\_Amount) as Total\_Loan\_Amount,

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

from financial\_loan

group by address\_state

order by sum(loan\_Amount) desc

--3.Loan Term Analysis

select

term as Term,

count(id) as Total\_Applications,

sum(loan\_amount) as Total\_Loan\_Amont,

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

from financial\_loan

group by term

--4. Employee Length Analysis

select

emp\_length as Emp\_length,

count(id) as Total\_Applications,

sum(loan\_amount) as Total\_Loan\_Amont,

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

from financial\_loan

group by emp\_length

--Loan Purpose Breakdown

select

purpose as Purpose,

count(id) as Total\_Applications,

sum(loan\_amount) as Total\_Loan\_Amont,

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

from financial\_loan

group by purpose

--Home Ownership Analysis

select

home\_ownership as Home\_ownership,

count(id) as Total\_Applications,

sum(loan\_amount) as Total\_Loan\_Amont,

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

from financial\_loan

group by home\_ownership

select \* from financial\_loan

