**BANK LOAN QUERY**

**BANK LOAN REPORT| SUMMARY**

**KPI’s**

* **Total Loan Application**

SELECT \* FROM financial\_loan;

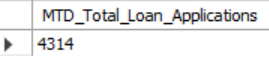
SELECT Count(id) as Total\_Loan\_Applications FROM financial\_loan



1. **MTD Loan Application**

SELECT Count(id) as MTD\_Total\_Loan\_Applications FROM financial\_loan

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



1. **MOM Loan Application**

SELECT Count(id) as PMTD\_Total\_Loan\_Applications FROM financial\_loan

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



* **Total Funded Amount**

SELECT sum(loan\_amount) as Total\_Funded\_Amount FROM financial\_loan;



1. **Total Funded Amount (MTD)**

SELECT sum(loan\_amount) as MTD\_Total\_Funded\_Amount FROM financial\_loan

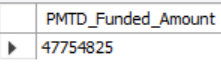
where month(issue\_date) = 12 and YEAR(issue\_date) = 2021;



1. **Total Funded Amount (PMTD)**

SELECT sum(loan\_amount) as PMTD\_Total\_Funded\_Amount FROM financial\_loan

where month(issue\_date) = 11 and YEAR(issue\_date) = 2021;



1. **MOM Percentage**

Select

(SUM(CASE WHEN month(issue\_date) = 12 THEN loan\_amount ELSE 0 END)

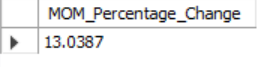
-

SUM(CASE WHEN month(issue\_date) = 11 THEN loan\_amount ELSE 0 END)

)/

SUM(CASE WHEN MONTH(issue\_date) = 11 THEN loan\_amount ELSE 0 END) \* 100 AS MOM\_Percentage\_Change

from Financial\_loan;



* **Total Amount Received**

SELECT sum(total\_payment) as Total\_Received\_Amount FROM financial\_loan;



1. **Total Received Amount (MTD)**

SELECT sum(total\_payment) as MTD\_Total\_Received\_Amount FROM financial\_loan

where month(issue\_date) = 12 and YEAR(issue\_date) = 2021;



1. **Total Received Amount (PMTD)**

SELECT sum(total\_payment) as PMTD\_Total\_Received\_Amount FROM financial\_loan

where month(issue\_date) = 11 and YEAR(issue\_date) = 2021;



* **Average Interest Rate**

SELECT avg(int\_rate)\* 100 as Average\_Interest\_Rate from financial\_loan;



1. **Average Interest Rate (MTD)**

SELECT avg(int\_rate)\* 100 as MTD\_Average\_Interest\_Rate from financial\_loan

Where month(issue\_date) = 12



1. **Average Interest Rate (PMTD)**

SELECT avg(int\_rate)\* 100 as PMTD\_Average\_Interest\_Rate from financial\_loan

Where month(issue\_date) = 11



* **Average DTI**

SELECT avg(Dti)\* 100 as Average\_DTI from financial\_loan;

****

1. **Average DTI (MTD)**

SELECT avg(dti)\* 100 as MTD\_Average\_DTI from financial\_loan

Where month(issue\_date) = 12;



1. **Average DTI (PMTD)**

SELECT avg(dti)\* 100 as PMTD\_Average\_DTI from financial\_loan

Where month(issue\_date) = 11;



**GOOD LOAN ISSUED**

* **Total Good Loan Applications**

SELECT COUNT(Id) as Good\_Loan\_Application from financial\_loan

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



1. **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 financial\_loan;

****

1. **Good Loan Funded Amount**

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

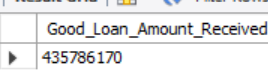
where loan\_status = 'Fully Paid' or loan\_status = 'Current';



1. **Good Loan Amount Received**

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

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

****

**BAD LOAN ISSUED**

* **Total Bad Loan Applications**

SELECT COUNT(id) as Bad\_Loan\_Applications from financial\_loan

Where loan\_status = 'charged off'



1. **Bad Loan Percentage**

SELECT (COUNT(CASE WHEN loan\_status = 'Charged Off' THEN id END) \* 100.0)/

COUNT(id) AS Bad\_Loan\_Percentage from Financial\_loan



1. **Bad Loan Funded Amount**

SELECT SUM(loan\_amount) AS Bad\_loan\_Funded\_Amount from financial\_loan

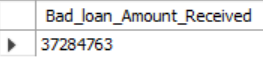
where loan\_status = 'Charged Off';



1. **Bad Loan Amount Received**

SELECT SUM(total\_payment) AS Bad\_loan\_Amount\_Received from financial\_loan

where loan\_status = 'Charged Off' ;



**LOAN STATUS**

SELECT

loan\_status,

COUNT(id) as Total\_loan\_Application,

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

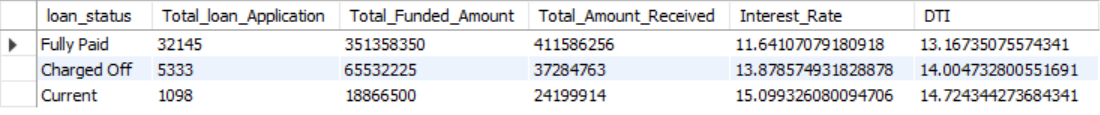
SUM(total\_payment) as Total\_Amount\_Received,

Avg(int\_rate)\*100 as Interest\_Rate,

AVG(dti)\*100 as DTI

FROM financial\_loan

group by loan\_status;



SELECT

loan\_status,

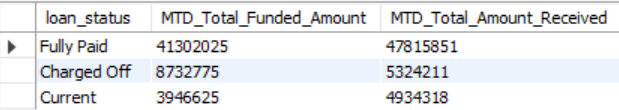
Sum(loan\_amount) as MTD\_Total\_Funded\_Amount,

Sum(total\_payment) as MTD\_Total\_Amount\_Received

FROM financial\_loan

Where month(issue\_date) = 12

group by loan\_status;

****

**BANK LOAN REPORT | OVERVIEW**

**MONTH**

SELECT

month(issue\_date) as Month\_Number,

monthname(Issue\_date) as Month\_Name,

COUNT(id) as Total\_Loan\_Applications,

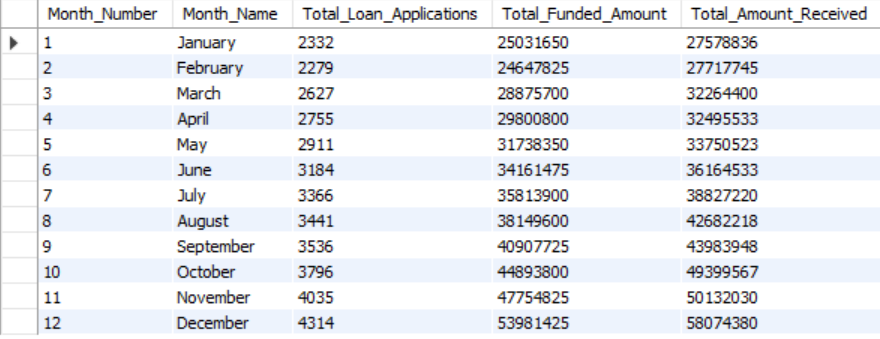
SUM(loan\_amount) as Total\_Funded\_Amount,

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

from financial\_loan

GROUP BY month(issue\_date), monthname(Issue\_date)

ORDER BY month(issue\_date)



**STATE**

SELECT

ROW\_NUMBER() OVER (ORDER BY address\_state) AS Serial\_Number,

address\_state AS State,

COUNT(id) AS Total\_Loan\_Applications,

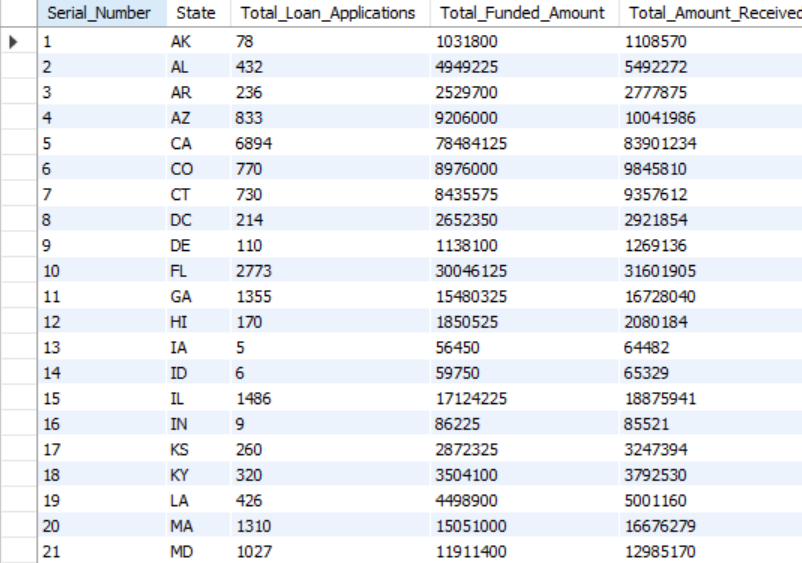
SUM(loan\_amount) AS Total\_Funded\_Amount,

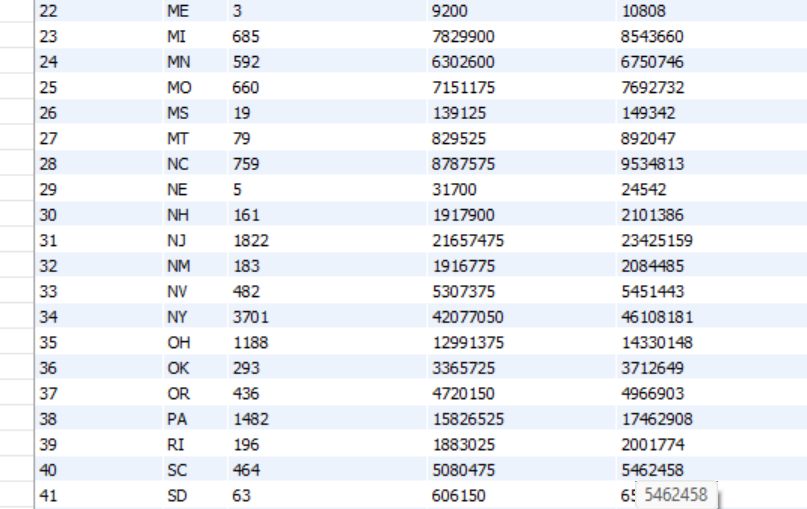
SUM(total\_payment) AS Total\_Amount\_Received

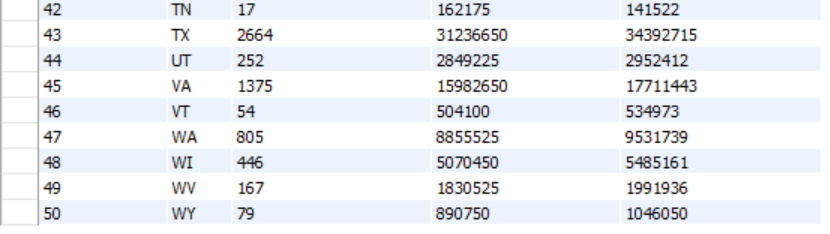
FROM financial\_loan

GROUP BY address\_state

ORDER BY address\_state

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**TERM**

SELECT

row\_number()OVER (ORDER BY TERM) AS Serial\_No,

term as TERM,

COUNT(id) as Total\_Loan\_Application,

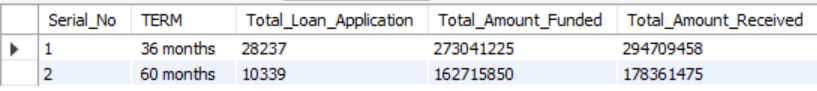
Sum(loan\_amount) as Total\_Amount\_Funded,

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

from financial\_loan

group by term

order by term;



**EMPLOYEE LENGTH**

SELECT

row\_number()OVER (ORDER BY emp\_length ) AS Serial\_No,

emp\_length as Employee\_Length,

COUNT(id) as Total\_Loan\_Application,

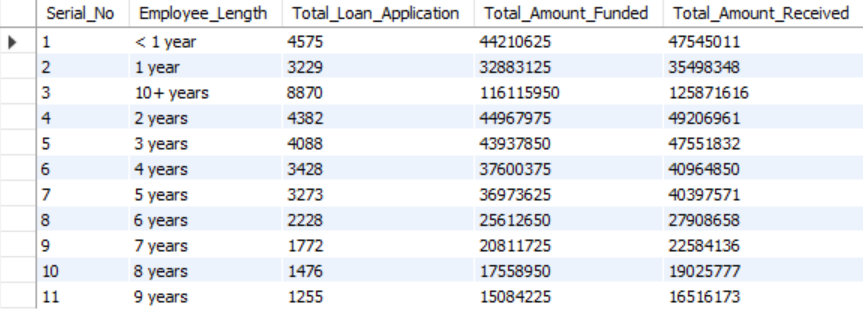
Sum(loan\_amount) as Total\_Amount\_Funded,

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

from financial\_loan

group by emp\_length

order by emp\_length asc;



EMPLOYEMENT LENGTH<5

SELECT

ROW\_NUMBER() OVER (ORDER BY emp\_length ASC) AS Serial\_No,

emp\_length AS Employee\_Length,

COUNT(id) AS Total\_Loan\_Application,

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

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

FROM

financial\_loan

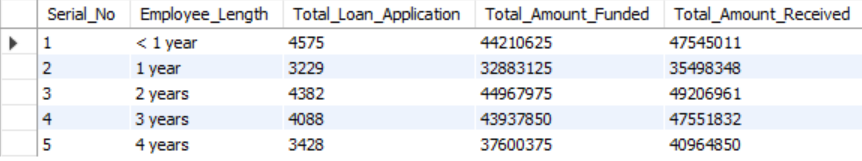
where emp\_length <5

GROUP BY

emp\_length

ORDER BY

emp\_length ASC;



**PURPOSE**

SELECT

ROW\_NUMBER() OVER (ORDER BY purpose ASC) AS Serial\_No,

purpose AS Purpose,

COUNT(id) AS Total\_Loan\_Application,

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

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

FROM

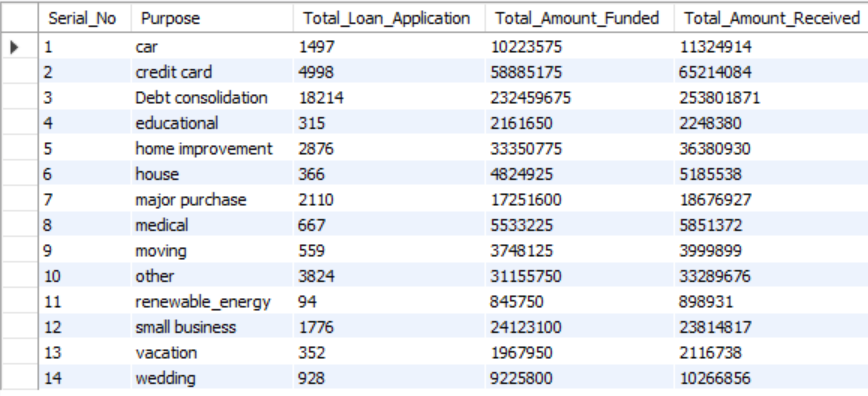
financial\_loan

GROUP BY

purpose

ORDER BY

purpose ASC;



\**Additional\**

SELECT

ROW\_NUMBER() OVER (ORDER BY count(id) desc) AS Serial\_No,

purpose AS Purpose,

COUNT(id) AS Total\_Loan\_Application,

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

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

FROM

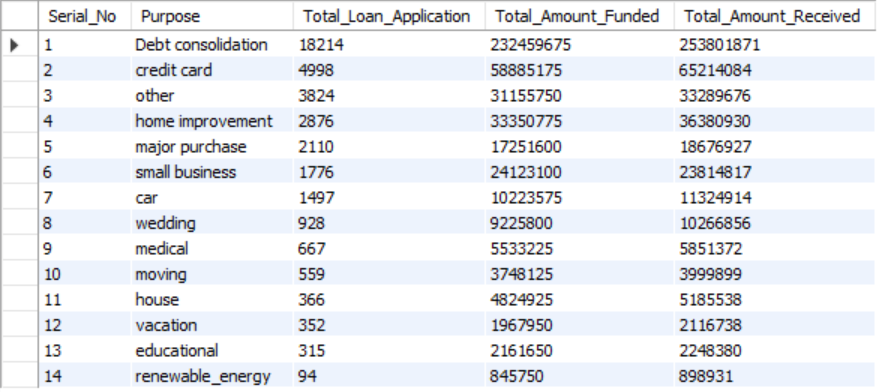
financial\_loan

GROUP BY

purpose

ORDER BY

count(id) desc;



SELECT

ROW\_NUMBER() OVER (ORDER BY count(id) desc) AS Serial\_No,

purpose AS Purpose,

COUNT(id) AS Total\_Loan\_Application,

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

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

FROM

financial\_loan

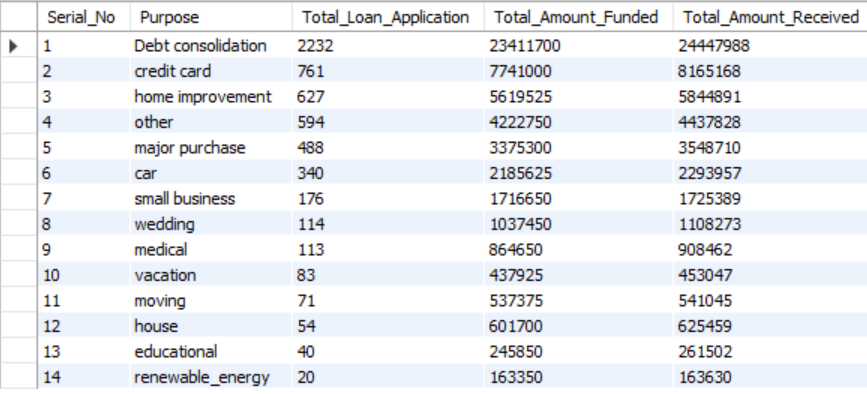
Where grade = 'B' AND emp\_length > 3

GROUP BY

purpose

ORDER BY

count(id) desc;



**HOME OWNERSHIP**

SELECT

ROW\_NUMBER() OVER (ORDER BY count(id) desc) AS Serial\_No,

home\_ownership AS Home\_Ownership,

COUNT(id) AS Total\_Loan\_Application,

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

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

FROM

financial\_loan

GROUP BY

home\_ownership

ORDER BY

count(id) desc;

