**\*1. Total loan applications \***

select count(id) as Total\_loan\_applications from financial\_loan;



**\*2. MTD loan applications\***

select count(id) as MTD\_loan\_applications from financial\_loan

where month(issue\_date)=12;



**\*3. PMTD loan applications\***

select count(id) as PMTD\_loan\_applications from financial\_loan

where month(issue\_date)=11;



**\*4. total funded amount\***

SELECT SUM(loan\_amount) AS Total\_Funded\_Amount FROM financial\_loan;



**\*5. MTD total funded amount\***

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

where month(issue\_date)=12;



**\*6. PMTD total funded amount\***

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

where month(issue\_date)=11;



**\*7. Total amount received\***

select sum(total\_payment) as Total\_amount\_received from financial\_loan;



**\*8. MTD Total amount received\***

select sum(total\_payment) as MTD\_Total\_amount\_received from financial\_loan

where month(last\_payment\_date)=12;



**\*9. PMTD Total amount received\***

select sum(total\_payment) as MTD\_Total\_amount\_received from financial\_loan

where month(last\_payment\_date) =11;



**\*10. Average interest rate\***

select AVG(int\_rate)\*100.0 as avg\_interest\_rate from financial\_loan



**\*11. MTD Average interest rate\***

select AVG(int\_rate)\*100.0 as MTD\_avg\_interest\_rate from financial\_loan

where MONTH(issue\_date) = 12;



**\*12. PMTD Average interest rate\***

select AVG(int\_rate)\*100.0 as PMTD\_avg\_interest\_rate from financial\_loan

where MONTH(issue\_date) = 11;



**\*13. avg debt to income ratio\***

select AVG(dti)\*100.0 as Average\_DTI from financial\_loan;



**\*14. MTD avg debt to income ratio\***

select AVG(dti)\*100.0 as MTD\_Average\_DTI from financial\_loan

where month(issue\_date)=12;



**\*15. PMTD avg debt to income ratio\***

select AVG(dti)\*100.0 as PMTD\_Average\_DTI from financial\_loan

where month(issue\_date)=11;



**\*16. good loan applications\***

select COUNT(id) as Good\_loan\_applications from financial\_loan where loan\_status !='Charged Off';



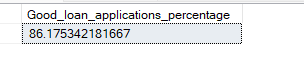
**\*17. bad loan applications\***

select COUNT(id) as bad\_loan\_applications from financial\_loan where loan\_status ='Charged Off';



**\*18. good loan applications percentage\***

select count(CASE when loan\_status !='Charged Off' then id end )\*100.0 /COUNT(id)as Good\_loan\_applications\_percentage from financial\_loan;



**\*19. good loan funded amount\***

select sum(loan\_amount) as good\_loan\_funded\_amount from financial\_loan where loan\_status !='Charged Off';

****

**\*20. good loan total received amount\***

select sum(total\_payment) as good\_loan\_received\_amount from financial\_loan where loan\_status !='Charged Off';



**\*21. bad loan applications percentage\***

select COUNT(case when loan\_status='Charged Off' then id end)\*100.0 /count(id) as bad\_loan\_applications from financial\_loan;



**\*22. bad loan funded amount\***

select sum(loan\_amount) as bad\_loan\_funded\_amount from financial\_loan where loan\_status ='Charged Off';



**\*23. good loan total received amount\***

select sum(total\_payment) as bad\_loan\_recieved\_amount from financial\_loan where loan\_status ='Charged Off';



**\*24. monthly trends by issue date\***

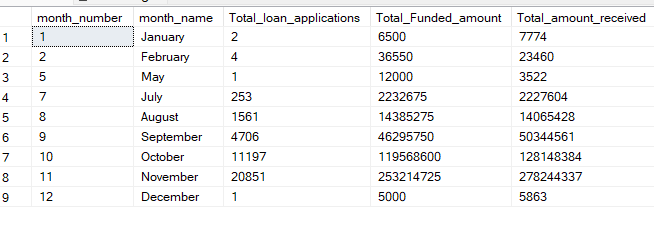
select

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\_amount\_received from financial\_loan group by month(issue\_date), DATENAME(month,issue\_date) order by MONTH(issue\_date) ;



**\*25. regional analysis by state\***

select

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;

**\*26. loan term analysis\***

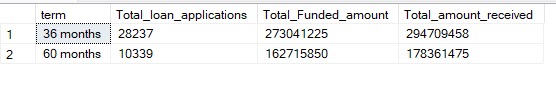
select

term,

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 term order by term;



**\*27. employee length analysis\***

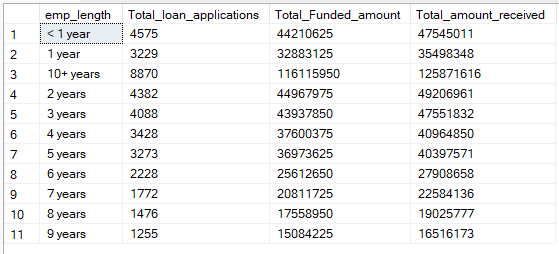
select

emp\_length,

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 emp\_length order by emp\_length;



**\*28. loan purpose breakdown analysis\***

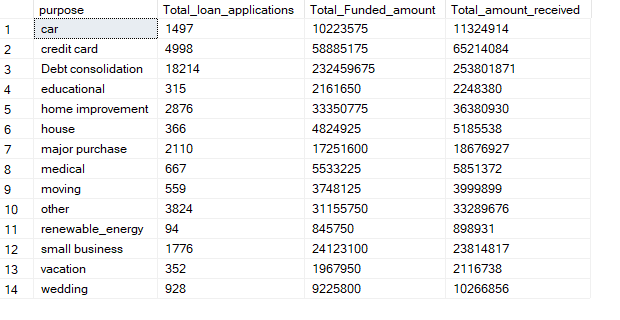
select

purpose,

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 purpose order by purpose;



**\*29. home ownership analysis\***

select

home\_ownership,

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 home\_ownership order by count(id);

