Bank Loan Data SQL Queries

# Total Loan Applications

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

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 **MTD Loan Applications**

select count(id)as MTD\_total\_loan\_applications from financial\_loan  
where month(issue\_date\_new) = 12;



 **PMTD Loan Applications**

select count(id)as PMTD\_total\_loan\_applications from financial\_loan  
where month(issue\_date\_new)= 11;



# Total Funded Amount

 **Total Funded Amount**

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



 **MTD Total Funded Amount**

select sum(loan\_amount)as MTD\_total\_funded\_amount from financial\_loan  
where month(issue\_date\_new)=12;

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 **PMTD Total Funded Amount**

select sum(loan\_amount)as PMTD\_total\_funded\_amount from financial\_loan  
where month(issue\_date\_new)=11;

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# Total Payment Received

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

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 **MTD Total Amount Received**

select sum(total\_payment)as MTD\_Total\_payment\_received from financial\_loan  
where month(issue\_date\_new)=12;

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 **PMTD Total Amount Received**

select sum(total\_payment)as PMTD\_Total\_payment\_received from financial\_loan  
where month(issue\_date\_new)=11;

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# Average Interest Rate

select avg(int\_rate)\*100 as Average\_interest\_rate from financial\_loan;

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 **MTD Average Interest**

select avg(int\_rate)\*100 as MTD\_Average\_interest\_rate from financial\_loan  
where month(issue\_date\_new)=12;

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 **PMTD Average Interest**

select avg(int\_rate)\*100 as PMTD\_Average\_interest\_rate from financial\_loan  
where month(issue\_date\_new)=11;

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# Average DTI

select avg(dti)\*100 as Average\_DTI from financial\_loan;

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 **MTD Avg DTI**

select avg(dti)\*100 as MTD\_Average\_DTI from financial\_loan  
where month(issue\_date\_new)=12;

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 **PMTD Avg DTI**

select avg(dti)\*100 as PMTD\_Average\_DTI from financial\_loan  
where month(issue\_date\_new)=11;

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# Good Loan Analysis

* **Good Loan Percentage**

select (count(case when loan\_status="Fully Paid" or loan\_status="Current"then id end)\*100)/  
count(id) as Total\_good\_loan\_percentage  
from financial\_loan;

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* **Good Loan Applications**

select count(id)as Good\_loan\_applictions from financial\_loan  
where loan\_status= "Fully Paid" or "Current";

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* **Good Loan Funded Amount**

select sum(loan\_amount)as Good\_loan\_funded\_amount from financial\_loan  
where loan\_status="Fully Paid" or "Current";

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* **Good Loan Amount Received**

select sum(total\_payment)as Good\_loan\_received\_amount from financial\_loan  
where loan\_status="Fully Paid" or "Current";

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# Bad Loan Analysis

* **Bad Loan Percentage**

select (count(case when loan\_status="Charged Off"then id end)\*100)/  
count(id) as Total\_bad\_loan\_percentage  
from financial\_loan;

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* **Bad Loan Applications**

select count(id)as bad\_loan\_applictions from financial\_loan  
where loan\_status="Charged Off";

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* **Bad Loan Funded Amount**

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

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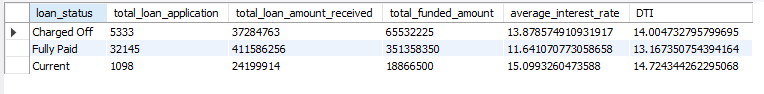
* **Bad Loan Amount Received**

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

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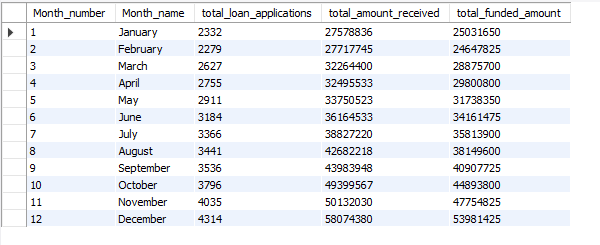
# Loan Status Summary

select loan\_status,  
  
count(id) as total\_loan\_application,  
sum(total\_payment)as total\_loan\_amount\_received,  
sum(loan\_amount)as total\_funded\_amount,  
avg(int\_rate\*100)as average\_interest\_rate,  
avg(dti\*100)as DTI  
from financial\_loan  
group by(loan\_status);

  
  
BANK LOAN REPORT | OVERVIEW

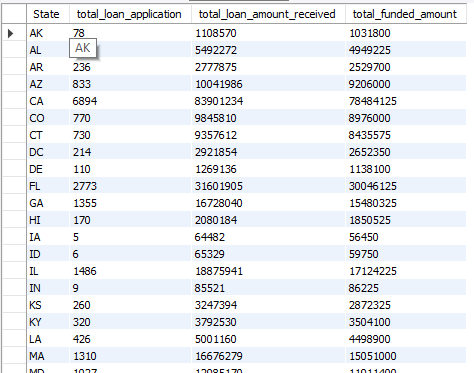
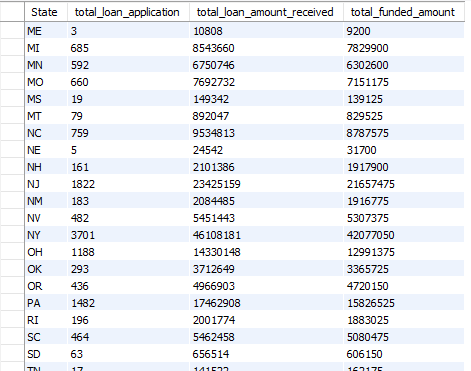
# Monthly Loan Summary

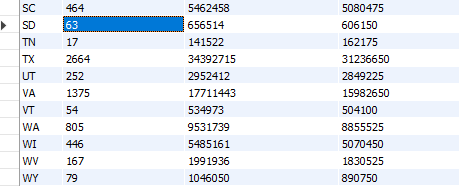
SELECT   
 MONTH(issue\_date\_new) AS Month\_number,  
 MONTHNAME(issue\_date\_new) AS Month\_name,  
 COUNT(id) AS total\_loan\_applications,  
 SUM(total\_payment) AS total\_amount\_received,  
 SUM(loan\_amount) AS total\_funded\_amount  
FROM financial\_loan  
GROUP BY Month\_number, Month\_name  
ORDER BY Month\_number;



# State-wise Loan Summary

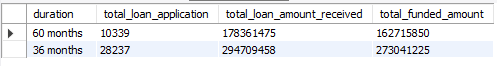
select address\_state as State,  
count(id)as total\_loan\_application,  
sum(total\_payment)as total\_loan\_amount\_received,  
sum(loan\_amount)as total\_funded\_amount  
from financial\_loan  
group by state  
order by state;



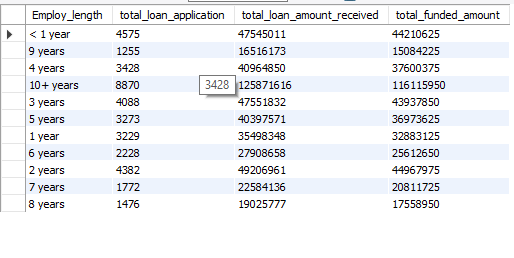
# Term-wise Loan Summary

select term as duration,  
count(id)as total\_loan\_application,  
sum(total\_payment)as total\_loan\_amount\_received,  
sum(loan\_amount)as total\_funded\_amount  
from financial\_loan  
group by duration;



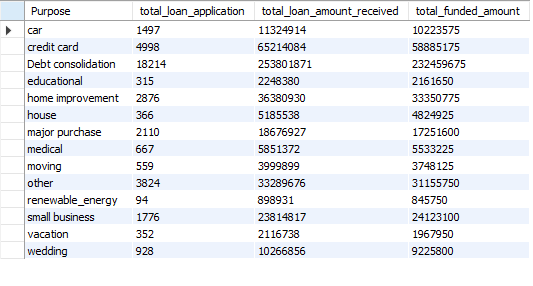
# Employment Length-wise Loan Summary

select emp\_length as Employ\_length,  
count(id)as total\_loan\_application,  
sum(total\_payment)as total\_loan\_amount\_received,  
sum(loan\_amount)as total\_funded\_amount  
from financial\_loan  
group by Employ\_length;



# Purpose-wise Loan Summary

select purpose as Purpose,  
count(id)as total\_loan\_application,  
sum(total\_payment)as total\_loan\_amount\_received,  
sum(loan\_amount)as total\_funded\_amount  
from financial\_loan  
group by Purpose;



# Home Ownership-wise Loan Summary

select home\_ownership as Home\_Ownership,  
count(id)as total\_loan\_application,  
sum(total\_payment)as total\_loan\_amount\_received,  
sum(loan\_amount)as total\_funded\_amount  
from financial\_loan  
group by Home\_Ownership;

