**BANK LOAN REPORT QUERY DOCUMENT**

**BANK LOAN REPORT | SUMMARY**

**KPI’s:**

**/\*Total Loan applications\*/**

**select count(id) as `Total Loan applications` from `financial\_loan`;**



**/\*Month to date Loan Application\*/**

**select count(id) as `MTD Loan Application` from `financial\_loan` where month(issue\_date) = 12 and year(issue\_date) = 2021;**



**/\*Previous Month Loan Application\*/**

**select count(id) as `MTD Loan Application` 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;**



**/\*Month to date Total funded amount\*/**

**select sum(loan\_amount) as `Month to date total funded amount` from `financial\_loan` where month(issue\_date) = 12 and year(issue\_date) = 2021;**



**/\*Previous month total funded amount\*/**

**select sum(loan\_amount) as `Previous month Total funded amount` from `financial\_loan` where month(issue\_date) = 11 and year(issue\_date) = 2021;**



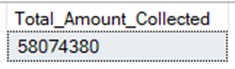
**/\*Total amount received\*/**

**select sum(total\_payment) as `Total amount received` from `financial\_loan`;**



**/\*Month to date Total amount received\*/**

**select sum(total\_payment) as `Month to date total amount received` from `financial\_loan` where month(issue\_date) = 12 and year(issue\_date) = 2021;**

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**/\*Previous month total amount received\*/**

**select sum(total\_payment) as `Previous month Total amount received` from `financial\_loan` where month(issue\_date) = 11 and year(issue\_date) = 2021;**



**/\*Average Interest Rate\*/**

**select concat(round(avg(int\_rate),2) \* 100,'%') as `Average Interest Rate` from financial\_loan;**



**/\*Month to date Average Interest Rate\*/**

**select concat(round(avg(int\_rate),4)\*100,'%') as `Month to date Average Interest Rate` from `financial\_loan` where month(issue\_date) = 12 and year(issue\_date) = 2021;**



**/\*Previous month Average Interest Rate\*/**

**select concat(round(avg(int\_rate),4)\*100,'%') as `Previous month Average Interest Rate` from `financial\_loan` where month(issue\_date) = 11 and year(issue\_date) = 2021;**



**/\*Average dti\*/**

**select concat(round(avg(dti),4)\*100,'%') as `Average dti` from financial\_loan;**



**/\*Month to date dti\*/**

**select concat(round(avg(dti),4)\*100,'%') as `Month to date dti` from `financial\_loan` where month(issue\_date) = 12 and year(issue\_date) = 2021;**



**/\*Previous month dti\*/**

**select concat(round(avg(dti),4)\*100,'%') as `Previous month dti` from `financial\_loan` where month(issue\_date) = 11 and year(issue\_date) = 2021;**



**GOOD LOAN ISSUED**

**/\*Good loan percentage\*/**

**SELECT**

**concat((COUNT(CASE WHEN loan\_status = 'Fully Paid' OR loan\_status = 'Current' THEN id END) \* 100.0) /**

**COUNT(id),'%') AS Good\_Loan\_Percentage FROM financial\_loan**



**/\*Good Loan Applications\*/**

**select count(\*) as `Good Loan Applications` from financial\_loan where loan\_status = 'Fully Paid' OR loan\_status = 'Current';**



**/\*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';**



**/\*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**

**/\*Bad Loan Percentage\*/**

**SELECT concat((COUNT(CASE WHEN loan\_status ='Charged off' THEN id END) \* 100.0) / COUNT(id),'%') AS Bad\_Loan\_Percentage FROM financial\_loan;**



**/\*Bad Loan Applications\*/**

**select count(\*) as `Bad Loan Applications` from financial\_loan where loan\_status = 'Charged off';**



**/\*Bad Loan Amount Received\*/**

**select sum(total\_payment) as `Bad Loan Amount Received` from financial\_loan where loan\_status = 'Charged off';**



**/\*Bad Loan Funded Amount\*/**

**select sum(loan\_amount) as `Bad Loan Funded Amount` from financial\_loan where loan\_status = 'Charged off';**



**LOAN STATUS**

**/\*Loan Status\*/**

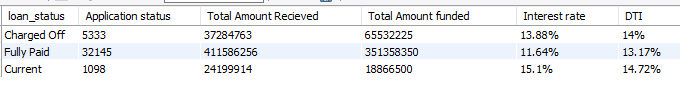
**select**

**loan\_status, count(\*) as `Application status`, sum(total\_payment) as `Total Amount Received`, sum(loan\_amount) as `Total Amount funded`,**

**concat(round(avg(int\_rate\*100),2),'%') as `Interest rate`, concat(round(avg(dti\*100),2),'%') as `DTI`**

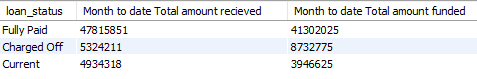
**from financial\_loan**

**group by loan\_status**



**/\*Loan Status by month\*/**

**SELECT loan\_status, SUM(total\_payment) AS 'Month to date Total amount received', SUM(loan\_amount) AS 'Month to date Total amount funded' FROM financial\_loan WHERE MONTH(issue\_date) = 12 GROUP BY loan\_status;**



**BANK LOAN REPORT | OVERVIEW**

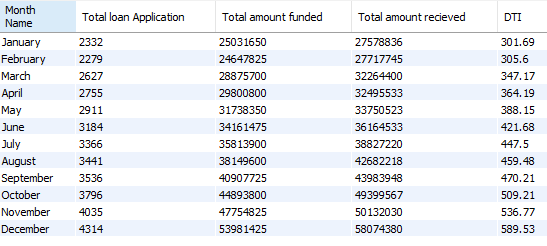
**/\*Bank Loan report by month\*/**

**Select monthname(issue\_date) as `Month Name`, count(\*) as `Total loan Application`, sum(loan\_amount) as `Total amount funded`, SUM(total\_payment) AS `Total amount recieved`, round(sum(dti),2) as `DTI`**

**from financial\_loan**

**group by `Month Name`,month(issue\_date)**

**order by month(issue\_date)**



**/\* analysis by STATE\*/**

**select address\_state, count(\*) as `Total loan Application`, sum(loan\_amount) as `Total amount funded`,**

**SUM(total\_payment) AS `Total amount recieved`, round(sum(dti),2) as `DTI`**

**from financial\_loan**

**group by address\_state**

**order by address\_state;**



**/\*analysis by Term\*/**

**select term, count(\*) as `Total loan Application`, sum(loan\_amount) as `Total amount funded`,**

**SUM(total\_payment) AS `Total amount recieved`, round(sum(dti),2) as `DTI`**

**from financial\_loan**

**group by term**

**order by term;**



**/\*analysis by Employee length\*/**

**select emp\_length as `Employee length`, count(\*) as `Total loan Application`, sum(loan\_amount) as `Total amount funded`, SUM(total\_payment) AS `Total amount recieved`, round(sum(dti),2) as `DTI`**

**from financial\_loan**

**group by emp\_length**

**order by emp\_length;**



**/\*analysis by purpose\*/**

**select purpose , count(\*) as `Total loan Application`, sum(loan\_amount) as `Total amount funded`,**

**SUM(total\_payment) AS `Total amount recieved`, round(sum(dti),2) as `DTI`**

**from financial\_loan**

**group by purpose**

**order by purpose;**



**/\*analysis by Home Ownership\*/**

**select home\_ownership , count(\*) as `Total loan Application`, sum(loan\_amount) as `Total amount funded`,**

**SUM(total\_payment) AS `Total amount recieved`, round(sum(dti),2) as `DTI`**

**from financial\_loan**

**group by home\_ownership**

**order by home\_ownership;**



**/\*Which term gets the highest installments\*/**

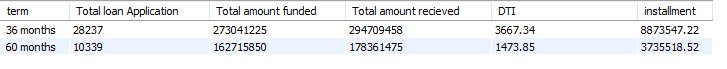
**select term, count(\*) as `Total loan Application`, sum(loan\_amount) as `Total amount funded`, SUM(total\_payment) AS `Total amount recieved`,**

**round(sum(dti),2) as `DTI`, round(sum(installment),2) as `installment`**

**from financial\_loan**

**group by term**

**order by term;**



**/\*Amount disbursed and recieved based on verfication status\*/**

**select verification\_status, count(\*) as `Total loan Application`, sum(loan\_amount) as `Total amount funded`, SUM(total\_payment) AS `Total amount recieved`,**

**round(sum(dti),2) as `DTI`**

**from financial\_loan**

**group by verification\_status**

**order by verification\_status;**

