**Bank Loan Report Query Document**

1. **Bank Loan Report | Summary**

**KPI’s :**

**Total Loan Application**

SELECT count(id) as Total\_Loan\_Applications from bank\_loan\_db

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**Month to date total number of applications**

SELECT count(id) as MonthTD\_TotalLoan\_Applications from bank\_loan\_db

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

****

**Previous month to date total number of applications**

SELECT count(id) as PMTD\_TotalLoan\_Applications from bank\_loan\_db

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



**Total Funded Amount**

Select sum(loan\_amount) as Total\_Funded\_Amount from bank\_loan\_db

****

**Month to date total funded amount**

Select sum(loan\_amount) as MonthTD\_Total\_Funded\_Amount from bank\_loan\_db

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

****

**Previous Month to date total funded amount**

Select sum(loan\_amount) as PMTD\_Total\_Funded\_Amount from bank\_loan\_db

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



**Total Amount Received**

Select sum(total\_payment) as Total\_Amount\_Received from bank\_loan\_db

****

**Month to date total amount received**

Select sum(total\_payment) as MonthTD\_Total\_Amount\_Received from bank\_loan\_db

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

****

**Previous Month to date total amount received**

Select sum(total\_payment) as PMTD\_Total\_Amount\_Received from bank\_loan\_db

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



**Avg int rate**

Select round(avg(int\_rate),4)\*100 as Avg\_Intrate from bank\_loan\_db

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**Month to date avg int rate**

Select round(avg(int\_rate),4)\*100 as MonthTD\_Avg\_Intrate from bank\_loan\_db

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

****

**Previous Month to date avg int rate**

Select round(avg(int\_rate),4)\*100 as PMTD\_Avg\_Intrate from bank\_loan\_db

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



**Avg dti**

Select round(avg(dti),4) \*100 as Avg\_DTI from bank\_loan\_db



**Month to date avg dti**

Select round(avg(dti),4) \*100 as MonthTDAvg\_DTI from bank\_loan\_db

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



**Previous Month to date avg dti**

Select round(avg(dti),4) \*100 as PMTDAvg\_DTI from bank\_loan\_db

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



**Good Loan Issued**

**Good Loan Percentage**

Select (count(CASE when loan\_status='Fully Paid' or loan\_status='Current' then id end )\*100)

/ count(id) as GoodLoanPercentage

from bank\_loan\_db

****

**Good Loan Applications**

Select count(id) as GoodLoanApplications

from bank\_loan\_db

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



**Good Loan Funded Amount**

select sum(loan\_amount) as GoodLoan\_Funded\_Amount from bank\_loan\_db

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

****

**Good Loan Received Amount**

select sum(total\_payment) as GoodLoan\_Received\_Amount from bank\_loan\_db

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



**Bad Loan Issued**

**Bad loan Percentage**

select (count(Case when loan\_status='Charged Off' then id end)\*100.0)

/ count(id) as BadLoanPercentage

from bank\_loan\_db

****

**Bad loan Application**

select count(id) as BadLoanApplication from bank\_loan\_db

where loan\_status='Charged Off'

****

**Bad loan Funded Amount**

select sum(loan\_amount) from bank\_loan\_db

where loan\_status='Charged Off'

****

**Bad loan Amount Received**

select sum(total\_payment) from bank\_loan\_db

where loan\_status='Charged Off'



**Loan Status**

**Full Year Loan Status**

SELECT loan\_status,

COUNT(id) AS LoanCount,

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

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

AVG(int\_rate \* 100) AS Interest\_Rate,

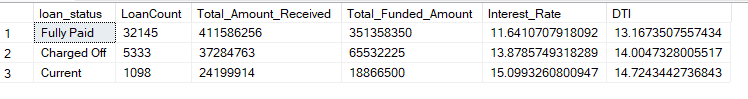
AVG(dti \* 100) AS DTI

FROM

bank\_loan\_db

GROUP BY

loan\_status



**Month to date Loan Status**

SELECT

loan\_status,

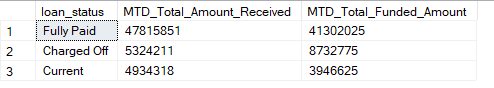
SUM(total\_payment) AS MTD\_Total\_Amount\_Received,

SUM(loan\_amount) AS MTD\_Total\_Funded\_Amount

FROM bank\_loan\_db

WHERE MONTH(issue\_date) = 12

GROUP BY loan\_status



1. **Bank Loan Report**

**Month**

SELECT

MONTH(issue\_date) AS Month\_Munber,

DATENAME(MONTH, issue\_date) AS Month\_name,

COUNT(id) AS Total\_Loan\_Applications,

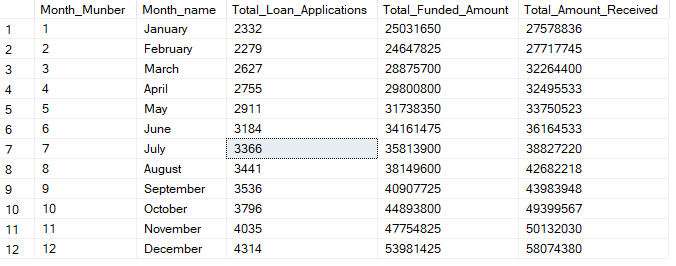
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_db

GROUP BY MONTH(issue\_date), DATENAME(MONTH, issue\_date)

ORDER BY MONTH(issue\_date)



**State**

SELECT

address\_state,

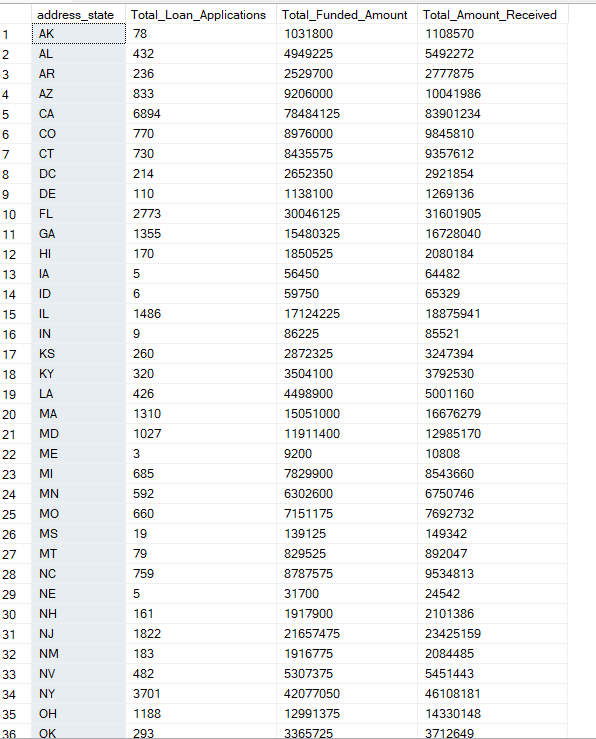
COUNT(id) AS Total\_Loan\_Applications,

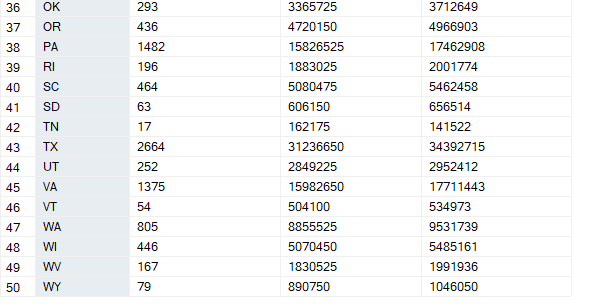
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_db

GROUP BY address\_state

ORDER BY address\_state



**Term**

SELECT

term,

COUNT(id) AS Total\_Loan\_Applications,

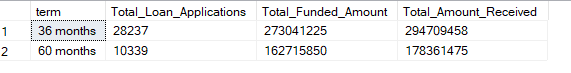
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_db

GROUP BY term

ORDER BY term



**Emp Length**

SELECT

emp\_length,

COUNT(id) AS Total\_Loan\_Applications,

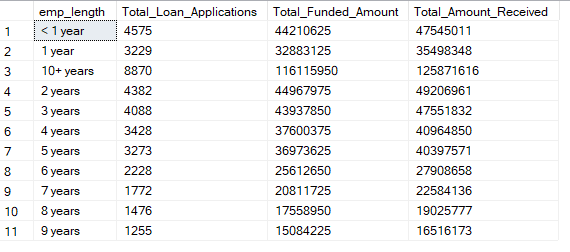
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_db

GROUP BY emp\_length

ORDER BY emp\_length



**Purpose**

SELECT

purpose,

COUNT(id) AS Total\_Loan\_Applications,

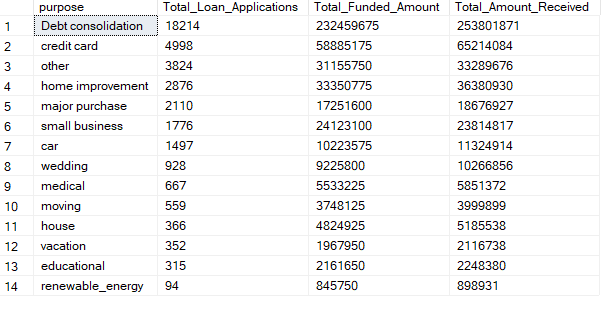
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_db

GROUP BY purpose

ORDER BY COUNT(id) desc



**Home Ownership**

SELECT

home\_ownership,

COUNT(id) AS Total\_Loan\_Applications,

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

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

FROM bank\_loan\_db

GROUP BY home\_ownership

ORDER BY COUNT(id) desc

