**BANK LOAN POWER BI & SQL PROJECT**

**1 . Total Loan Applications**

SQL QUERY –

select count(\*)

from bankr;

SQL Result –



**2 . Total Loan Amount Sanctioned**

SQL Query –

select sum(loan\_amount) as Total\_Loan\_Amount

from bankr;

Result



**3 . Average Interest Rate**

SQl Query

select Round(Avg(int\_rate),2) \* 100 as Average\_interest\_rate

from bankr;

Result



**4 Total Good Loan Applications**

select count(id)

from bankr

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



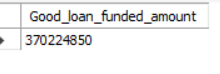
**5 Good Loan Funded Amount**

Sql Query

select sum(loan\_amount) as Good\_loan\_funded\_amount

from bankr

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



**6 Total Amount Received from good loan**

select sum(total\_payment) as Good\_amount\_recevied

from bankr

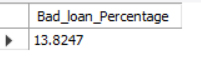
where loan\_status='Fully Paid' or loan\_status='Current';



**7 Bad Loan Percentage**

**select round((count(case when loan\_status = 'Charged Off' Then id end)\*100),3)/count(id) as Bad\_loan\_Percentage**

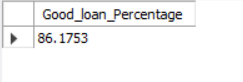
**from bankr;**

****

**8 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 bankr;**

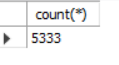
****

**9 Total Bad Loan Applications**

**select count(\*)**

**from bankr**

**where loan\_status='Charged Off';**

****

**12 Total Amount Funded**

**select sum(loan\_amount) as Total\_Funded\_Amount**

**from bankr**

**where loan\_status='Charged Off'**

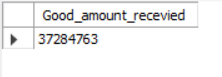
****

**11 Total Received Amount From Bad Loans**

**select sum(total\_payment) as Good\_amount\_recevied**

**from bankr**

**where loan\_status='Charged Off'**

****

**12 Loan Status**

**SELECT loan\_status,**

**COUNT(id) AS LoanCount,**

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

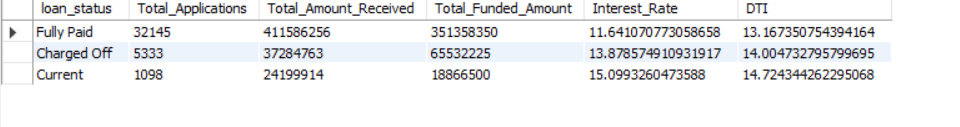
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**AVG(dti \* 100) AS DTI**

**FROM bankr**

**GROUP BY loan\_status**

**13 Loans based on Home**

**select home\_ownership,**

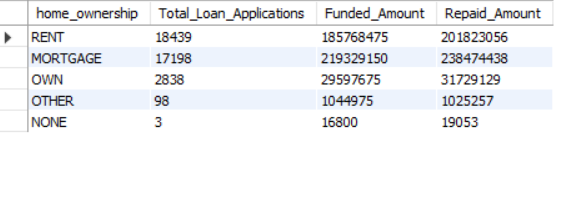
**count(id) as Total\_Loan\_Applications,**

**sum(loan\_amount) as Funded\_Amount,**

**sum(total\_payment) as Repaid\_Amount**

**from bankr**

**group by 1 order by Total\_Loan\_Applications desc ;**

****

**14 Employee Length**

**SELECT emp\_length AS Employee\_Length,**

**COUNT(id) AS Total\_Loan\_Applications,**

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

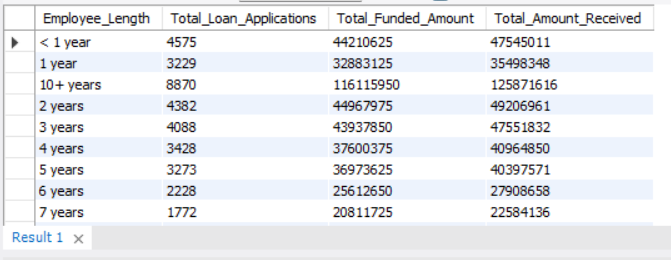
**SUM(total\_payment) AS Total\_Amount\_Received**

**FROM bank\_loan\_data**

**GROUP BY emp\_length**

**ORDER BY emp\_length**

**RESULT**

****

**15 State wise Loan Analysis**

**SELECT address\_state AS State,**

**COUNT(id) AS Total\_Loan\_Applications,**

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

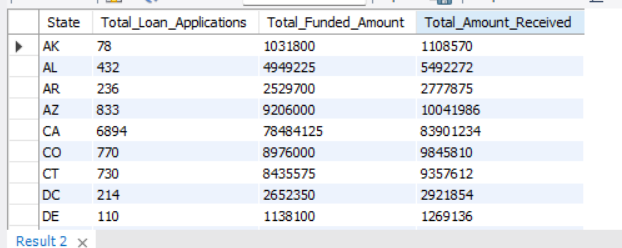
**SUM(total\_payment) AS Total\_Amount\_Received**

**FROM bankr**

**GROUP BY address\_state**

**ORDER BY address\_state;**

**RESULT**

****

**16 Purpose wise Loans**

**SELECT purpose AS PURPOSE,**

**COUNT(id) AS Total\_Loan\_Applications,**

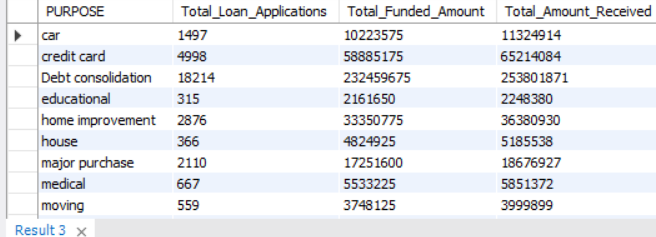
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM bankr**

**GROUP BY purpose**

**ORDER BY purpose;**

****

**17 Home ownership wise loan**

**SELECT home\_ownership AS Home\_Ownership,**

**COUNT(id) AS Total\_Loan\_Applications,**

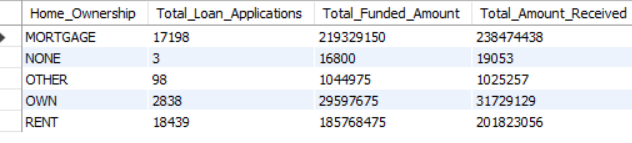
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM bank\_loan\_data**

**GROUP BY home\_ownership**

**ORDER BY home\_ownership;**

****