**Bank Loan Queries and KPIs For Dashboard**

1. **BANK LOAN REPORT | SUMMARY:**

1. Total Number of Applications for Loan

SELECT Count(id) as Total\_Applications From bank\_loan\_data;



2. MTD Loan Applications

SELECT COUNT(id) AS MTD\_Total\_Applications FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12;



3. PMTD Loan Applications

SELECT COUNT(id) AS PMTD\_Loan\_Applications FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11;



4. Total Funded Amount

Select SUM(loan\_amount) as Total\_Funded\_Amount From bank\_loan\_data;



5. MTD Total Funded Amount

Select SUM(loan\_amount) as MTD\_Total\_Funded\_Amount From bank\_loan\_data

Where MONTH (issue\_date) = 12 AND YEAR (issue\_date) = 2021;



6. PMTD Total Funded Amount

Select SUM(loan\_amount) as PMTD\_Total\_Funded\_Amount From bank\_loan\_data

Where MONTH (issue\_date) = 11 AND YEAR (issue\_date) = 2021;



7. Total Amount Recieved

Select SUM(total\_payment) as Total\_Amount\_Recieved From bank\_loan\_data;



8. MTD Total Amount Recieved

Select SUM(total\_payment) as Total\_Amount\_Recieved From bank\_loan\_data

Where MONTH(issue\_date) = 12 and YEAR(issue\_date) =2021;



9. PMTD Total Amount Recieved

Select SUM(total\_payment) as Total\_Amount\_Recieved From bank\_loan\_data

Where MONTH(issue\_date) = 11 and YEAR(issue\_date) =2021;



10. Average Interest Rate

SELECT Round(AVG(int\_rate)\*100, 2) as Average\_Interest\_Rate From bank\_loan\_data;



11. PMTD Average Interest Rate

SELECT Round(AVG(int\_rate)\*100, 2) as Average\_Interest\_Rate From bank\_loan\_data

WHERE MONTH(issue\_date) = 12;



12. PMTD Average Interest Rate

SELECT Round(AVG(int\_rate)\*100, 2) as Average\_Interest\_Rate From bank\_loan\_data

WHERE MONTH(issue\_date) = 11;



13. DTI

SELECT ROUND(AVG(dti)\*100, 2) AS Avg\_DTI FROM bank\_loan\_data;



14. MTD Avg DTI

SELECT ROUND(AVG(dti)\*100, 2) AS MTD\_DTI FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12;



15. PMTD Avg DTI

SELECT ROUND(AVG(dti)\*100, 2) AS PMTD\_Avg\_DTI FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11;



1. **Loan Status Financial Summary:**

SELECT

loan\_status,

COUNT(id) AS LoanCount,

CAST(CAST(SUM(total\_payment) / 1000000.0 AS DECIMAL(10,2)) AS VARCHAR) + 'M' AS Total\_Amount\_Received,

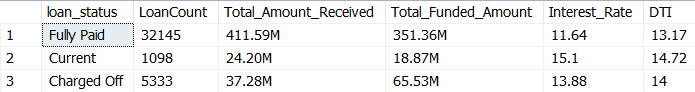
CAST(CAST(SUM(loan\_amount) / 1000000.0 AS DECIMAL(10,2)) AS VARCHAR) + 'M' AS Total\_Funded\_Amount,

ROUND(AVG(int\_rate \* 100), 2) AS Interest\_Rate,

ROUND(AVG(dti \* 100), 2) AS DTI

FROM bank\_loan\_data

GROUP BY loan\_status;



1. **December Loan Status Financial Summary**

SELECT

loan\_status,

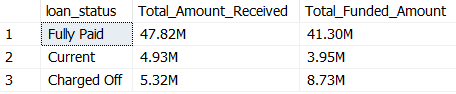
CAST(CAST(SUM(total\_payment) / 1000000.0 AS DECIMAL(10,2)) AS VARCHAR) + 'M' AS Total\_Amount\_Received,

CAST(CAST(SUM(loan\_amount) / 1000000.0 AS DECIMAL(10,2)) AS VARCHAR) + 'M' AS Total\_Funded\_Amount

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12

GROUP BY loan\_status;



1. **Grade A Loan Applications Summary by Purpose**

SELECT

purpose AS PURPOSE,

COUNT(id) AS Total\_Loan\_Applications,

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

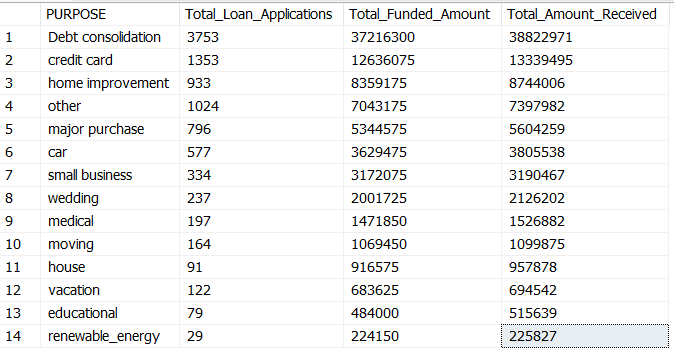
SUM(total\_payment) AS Total\_Amount\_Received

FROM bank\_loan\_data

WHERE grade = 'A'

GROUP BY purpose

ORDER BY Total\_Amount\_Received DESC, Total\_Funded\_Amount DESC;



1. **Home Ownership Status:**

SELECT

home\_ownership AS Home\_Ownership,

COUNT(id) AS Total\_Loan\_Applications,

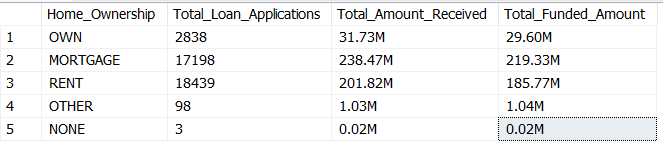
CAST(CAST(SUM(total\_payment) / 1000000.0 AS DECIMAL(10,2)) AS VARCHAR) + 'M' AS Total\_Amount\_Received,

CAST(CAST(SUM(loan\_amount) / 1000000.0 AS DECIMAL(10,2)) AS VARCHAR) + 'M' AS Total\_Funded\_Amount

FROM bank\_loan\_data

GROUP BY home\_ownership

ORDER BY Total\_Amount\_Received DESC, Total\_Funded\_Amount DESC;



1. **Top 5 Employees Experience:**

SELECT TOP 5

emp\_length AS Employee\_Length,

COUNT(id) AS Total\_Loan\_Applications,

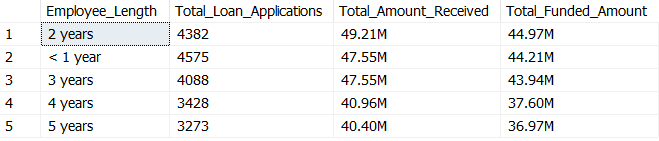
CAST(CAST(SUM(total\_payment) / 1000000.0 AS DECIMAL(10,2)) AS VARCHAR) + 'M' AS Total\_Amount\_Received,

CAST(CAST(SUM(loan\_amount) / 1000000.0 AS DECIMAL(10,2)) AS VARCHAR) + 'M' AS Total\_Funded\_Amount

FROM bank\_loan\_data

GROUP BY emp\_length

ORDER BY Total\_Amount\_Received DESC, Total\_Funded\_Amount DESC;

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