**Bank Loan Application Report**

**Key performance indicators:**

* **Total loan applications :**

**select COUNT(id) as "Total\_Loan\_Application" from Bank\_Loan\_Data**

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* **( Month to Date + Month over Month ) total Loan Application :**

**select COUNT(id) as "MTD\_Total\_Loan\_Application" from Bank\_Loan\_Data where MONTH(issue\_date) = 12 and YEAR(issue\_date) = 2021**

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**select COUNT(id) as "PMTD\_Total\_Loan\_Application" from Bank\_Loan\_Data where MONTH(issue\_date) = 11 and YEAR(issue\_date) = 2021**

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* **Total Funded Amount :**

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

**Bank\_Loan\_Data**

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* **( Month to Date + Month Over Month ) 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**

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**select sum(loan\_amount) as PMTD\_Total\_Funded\_Amount from Bank\_Loan\_Data where MONTH(issue\_date) = 11 and YEAR(issue\_date) = 2021**

****

* **Total Amount received :**

**select sum(total\_payment) as Total\_Amount\_Recived from Bank\_Loan\_Data**

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* **( Month to Date + Month Over Month ) Total Amount received :**

**select sum(total\_payment) as MTD\_Total\_Amount\_Recived from Bank\_Loan\_Data where MONTH(issue\_date) = 12 and YEAR(issue\_date) = 2021**

****

**select sum(total\_payment) as PMTD\_Total\_Amount\_Recived from Bank\_Loan\_Data where MONTH(issue\_date) = 11 and YEAR(issue\_date) = 2021**

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* **Average Interest Rate :**

**select AVG(int\_rate) \* 100 as Avarage\_Intrest\_Rate from [Bank Loan DB].dbo.Bank\_Loan\_Data**

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* **(Month to Date + Month over Month) Average Interest Rate :**

**select round(AVG(int\_rate),4) \* 100 as MTD\_Avarage\_Intrest\_Rate from [Bank Loan DB].dbo.Bank\_Loan\_Datawhere MONTH(issue\_date) = 12 and YEAR(issue\_date) = 2021**

****

**select round(AVG(int\_rate),4) \* 100 as PMTD\_Avarage\_Intrest\_Rate from [Bank Loan DB].dbo.Bank\_Loan\_Datawhere MONTH(issue\_date) = 11 and YEAR(issue\_date) = 2021**

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* **Average Dept to Income Ratio :**

**select round(AVG(dti),4) \* 100 as Avarage\_dti\_Rate from [Bank Loan DB].dbo.Bank\_Loan\_Data**

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* **(Month to Date + Month over Month) Average Dept to Income Ratio :**

**select round(AVG(dti),4) \* 100 as MTD\_Avarage\_dti\_Rate from [Bank Loan DB].dbo.Bank\_Loan\_Data**

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

****

**select round(AVG(dti),4) \* 100 as PMTD\_Avarage\_dti\_Rate from [Bank Loan DB].dbo.Bank\_Loan\_Data**

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

****

* **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 [Bank Loan DB].dbo.Bank\_Loan\_Data**

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* **Good Loan Applications :**

**select count(id) as Good\_Loan\_Application from [Bank Loan DB].dbo.Bank\_Loan\_Data where loan\_status = 'Fully Paid' or loan\_status = 'Current'**

****

* **Good Loan Funded Amount :**

**select sum(loan\_amount) as Good\_Loan\_Funded\_Amount from [Bank Loan DB].dbo.Bank\_Loan\_Data where loan\_status = 'Fully Paid' or loan\_status = 'Current'**

****

* **Good Loan Received Payment :**

**select sum(total\_payment) as Good\_Loan\_Recived\_Payment from [Bank Loan DB].dbo.Bank\_Loan\_Data where loan\_status = 'Fully Paid' or loan\_status = 'Current'**

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* **Bad Loan Percentage :**

**select(count(case when loan\_status = 'Charged Off' then id end) \* 100.00) / count(id) as \_Loan\_percentage from [Bank Loan DB].dbo.Bank\_Loan\_Data**

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* **Bad Loan Applications :**

**select count(id) as Bad\_Loan\_Application from [Bank Loan DB].dbo.Bank\_Loan\_Data where loan\_status = 'Charged Off'**

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* **Bad Loan Funded Amount :**

**select SUM(Loan\_amount) as Bad\_Loan\_Funded\_Amount from [Bank Loan DB].dbo.Bank\_Loan\_Data where loan\_status = 'Charged Off'**

****

* **Bad Loan Received Payment :**

**select SUM(total\_payment) as Bad\_Loan\_Recived\_paymment from [Bank Loan DB].dbo.Bank\_Loan\_Data where loan\_status = 'Charged Off'**

****

* **Grid of Loan Status :**

**select Loan\_Status,count(id) as Total\_Loan\_Applications,sum(total\_payment) as Total\_Amount\_Recived,sum(loan\_amount) as Total\_Funded\_Amount,avg(int\_rate \* 100) as Avarage\_Intrest\_Rate,avg(dti) as Dept\_to\_Income\_Ratio from [Bank Loan DB].dbo.Bank\_Loan\_Data group by (loan\_status)**

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* **(Month to Date Grid of Loan Status :**

**select Loan\_Status,count(id) as MTD\_Total\_Loan\_Applications,sum(total\_payment) as MTD\_Total\_Amount\_Recived,sum(loan\_amount) as MTD\_Total\_Funded\_Amount from [Bank Loan DB].dbo.Bank\_Loan\_Data where month(issue\_date) = 12 and year(issue\_date) = 2021 group by (loan\_status)**

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* **Grid 2 :**

**select DATENAME(MONTH,issue\_date) as Month\_Date,count(id) as Total\_Loan\_Applications,sum(total\_payment) as Total\_Amount\_Recived,sum(loan\_amount) as Total\_Funded\_Amount from [Bank Loan DB].dbo.Bank\_Loan\_Data group by DATENAME(MONTH,issue\_date)**

**ORDER BY DATENAME(MONTH,issue\_date)**

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* **Grid 3 :**

**select address\_state,count(id) as Total\_Loan\_Applications,sum(total\_payment) as Total\_Amount\_Recived,sum(loan\_amount) as Total\_Funded\_Amount from [Bank Loan DB].dbo.Bank\_Loan\_Data group by address\_state**

**ORDER BY address\_state**

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* **Grid 4 :**

**select term,count(id) as Total\_Loan\_Applications,sum(total\_payment) as Total\_Amount\_Recived,sum(loan\_amount) as Total\_Funded\_Amount from [Bank Loan DB].dbo.Bank\_Loan\_Data group by term**

**ORDER BY term**

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* **Grid 5 :**

**select emp\_length,count(id) as Total\_Loan\_Applications,sum(total\_payment) as Total\_Amount\_Recived,sum(loan\_amount) as Total\_Funded\_Amount from [Bank Loan DB].dbo.Bank\_Loan\_Data group by emp\_length**

**ORDER BY emp\_length**

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* **Grid 6 :**

**select purpose,count(id) as Total\_Loan\_Applications,sum(total\_payment) as Total\_Amount\_Recived,sum(loan\_amount) as Total\_Funded\_Amount from [Bank Loan DB].dbo.Bank\_Loan\_Data group by purpose**

**ORDER BY purpose**

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* **Grid 7 :**

**select home\_ownership,count(id) as Total\_Loan\_Applications,sum(total\_payment) as Total\_Amount\_Recived,sum(loan\_amount) as Total\_Funded\_Amount from [Bank Loan DB].dbo.Bank\_Loan\_Data group by home\_ownership**

**ORDER BY home\_ownership**

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