## **BANK LOAN QUERY REPORT DOCUMENT**

**BANK LOAN REPORT SUMMARY**

1. **Total Loan Application**

**SELECT**

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

**FROM**

**`Bank Loan DB`.bank\_loan\_data;**

**A black screen with white text

AI-generated content may be incorrect.**

**Month To Date Loan Applications**

**SELECT**

**COUNT('id') AS MTD\_Loan\_Applications**

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

**MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 12**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021;**

**A black background with white text

AI-generated content may be incorrect.**

**Previous Month To Date Loan Applications**

**SELECT**

**COUNT('id') AS PMTD\_Loan\_Applications**

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

**MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 11**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021;**

**A black screen with white text

AI-generated content may be incorrect.**

**Month on Month Loan Application**

**SELECT**

**(**

**COUNT(CASE**

**WHEN MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 12**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021**

**THEN 'id'**

**END)**

**-**

**COUNT(CASE**

**WHEN MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 11**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021**

**THEN 'id'**

**END)**

**)**

**/**

**NULLIF(**

**COUNT(CASE**

**WHEN MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 11**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021**

**THEN 'id'**

**END), 0**

**) AS MoM\_Growth**

**FROM `Bank Loan DB`.bank\_loan\_data;**

**A screenshot of a phone

AI-generated content may be incorrect.**

1. **Total Funded Amount**

**SELECT**

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

**FROM**

**`Bank Loan DB`.bank\_loan\_data;**

**A screenshot of a phone

AI-generated content may be incorrect.**

**Month To Date Total Funded Amount**

**SELECT**

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

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

**MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 12**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021;**

**A black background with white text

AI-generated content may be incorrect.**

**Previous Month To Date Total Funded Amount**

**SELECT**

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

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

**MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 12**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021;**

**A black screen with white text

AI-generated content may be incorrect.**

**Month on Month Total Funded Amount**

**SELECT**

**(**

**(**

**SUM(CASE**

**WHEN MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 12**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021**

**THEN loan\_amount**

**END)**

**-**

**SUM(CASE**

**WHEN MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 11**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021**

**THEN loan\_amount**

**END)**

**)**

**/**

**NULLIF(SUM(CASE**

**WHEN MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 11**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021**

**THEN loan\_amount**

**END), 0)**

**) AS MoM\_Total\_Funded\_Amount**

**FROM `Bank Loan DB`.bank\_loan\_data;**

**A black screen with white text

AI-generated content may be incorrect.**

1. **Total Amount Received**

**SELECT**

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

**FROM**

**`Bank Loan DB`.bank\_loan\_data;**

**A screenshot of a phone

AI-generated content may be incorrect.**

**Month To Date Total Funded Amount**

**SELECT**

**SUM(total\_payment) AS MTD\_Total\_Funded\_Amount**

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

**MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 12**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021;**

**A black background with white text

AI-generated content may be incorrect.**

**Previous Month To Date Total Funded Amount**

**SELECT**

**SUM(total\_payment) AS PMTD\_Total\_Funded\_Amount**

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

**MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 11**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021;**

**A black background with white text

AI-generated content may be incorrect.**

**Month on Month Total Funded Amount**

**SELECT**

**(**

**(**

**SUM(CASE**

**WHEN MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 12**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021**

**THEN total\_payment**

**END)**

**-**

**SUM(CASE**

**WHEN MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 11**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021**

**THEN total\_payment**

**END)**

**)**

**/**

**NULLIF(SUM(CASE**

**WHEN MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 11**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021**

**THEN total\_payment**

**END), 0)**

**) AS MoM\_Amount\_Received**

**FROM `Bank Loan DB`.bank\_loan\_data;**

**A black screen with white text

AI-generated content may be incorrect.**

1. **Average Interest Rate**

**SELECT**

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

**FROM**

**`Bank Loan DB`.bank\_loan\_data;**

**A black screen with white text

AI-generated content may be incorrect.**

**Month To Date Average Interest Rate**

**SELECT**

**ROUND(AVG(int\_rate) \* 100, 2) AS MTD\_Avg\_Interest\_Rate**

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

**MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 12**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021;**

**A black screen with white text

AI-generated content may be incorrect.**

**Previous Average Interest Rate**

**SELECT**

**ROUND(AVG(int\_rate) \* 100, 2) AS MTD\_Avg\_Interest\_Rate**

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

**MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 11**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021;**

**A black screen with white text

AI-generated content may be incorrect.**

**Month on Month Average Interest Rate**

**SELECT**

**ROUND(**

**(**

**AVG(CASE**

**WHEN MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 12**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021**

**THEN int\_rate**

**END)**

**-**

**AVG(CASE**

**WHEN MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 11**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021**

**THEN int\_rate**

**END)**

**)**

**/**

**NULLIF(**

**AVG(CASE**

**WHEN MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 11**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021**

**THEN int\_rate**

**END), 0**

**) \* 100, 2**

**) AS MoM\_Avg\_Interest\_Rate**

**FROM `Bank Loan DB`.bank\_loan\_data;**

**A black screen with white text

AI-generated content may be incorrect.**

1. **Average Debt To Income Ratio**

**SELECT**

**ROUND(AVG(dti) \* 100, 2) AS Avg\_DTI**

**FROM**

**`Bank Loan DB`.bank\_loan\_data;**

**A screenshot of a phone

AI-generated content may be incorrect.**

**Month To Date Average Debt To Income Ratio**

**SELECT**

**ROUND(AVG(dti) \* 100, 2) AS MTD\_Avg\_DTI**

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

**MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 12**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021;**

**A screenshot of a phone

AI-generated content may be incorrect.**

**Previous Month To Date Average Debt Income Ratio**

**SELECT**

**ROUND(AVG(int\_rate) \* 100, 2) AS MTD\_Avg\_Interest\_Rate**

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

**MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 11**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021;**

**A black background with white text

AI-generated content may be incorrect.**

**Month on Month Average Debt To Income Ratio**

**SELECT**

**ROUND(**

**(**

**AVG(CASE**

**WHEN MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 12**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021**

**THEN dti**

**END)**

**-**

**AVG(CASE**

**WHEN MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 11**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021**

**THEN dti**

**END)**

**)**

**/**

**NULLIF(**

**AVG(CASE**

**WHEN MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 11**

**AND YEAR(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 2021**

**THEN dti**

**END), 0**

**) \* 100, 2**

**) AS MoM\_Avg\_DTI**

**FROM `Bank Loan DB`.bank\_loan\_data;**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Good Loan VS Bad Loan**

**Good Loan Perentage (%)**

**SELECT**

**ROUND(**

**(COUNT(CASE**

**WHEN loan\_status = 'Fully Paid' OR loan\_status = 'Current'**

**THEN 'id'**

**END) \* 100.0) / COUNT('id'), 0**

**) AS Good\_Loan\_Percentage**

**FROM `Bank Loan DB`.bank\_loan\_data;**

**A black background with white text

AI-generated content may be incorrect.**

**Good Loan Applications**

**SELECT**

**COUNT('id') AS Good\_Loan\_Appliations**

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

**loan\_status = 'Fully Paid'**

**OR loan\_status = 'Current';**

**A black screen with white text

AI-generated content may be incorrect.**

**Good Loan Funded Amount**

**SELECT**

**SUM(loan\_amount) AS Good\_Loan\_Funded\_Amount**

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

**loan\_status = 'Fully Paid'**

**OR loan\_status = 'Current';**

**A black screen with white text

AI-generated content may be incorrect.**

**Good Loan Received Amount**

**SELECT**

**SUM(total\_payment) AS Good\_Loan\_Received\_Amount**

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

**loan\_status = 'Fully Paid'**

**OR loan\_status = 'Current';**

**A screenshot of a phone

AI-generated content may be incorrect.**

**Bad Loan Percentage (%)**

**SELECT**

**ROUND(**

**(COUNT(CASE**

**WHEN loan\_status = 'Charged Off' THEN 'id'**

**END) \* 100.0) / COUNT('id'), 0**

**) AS Bad\_Loan\_Percentage**

**FROM `Bank Loan DB`.bank\_loan\_data;**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Bad Loan Application**

**SELECT**

**COUNT('id') AS Bad\_Loan\_Appliations**

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

**loan\_status = 'Fully Paid'**

**OR loan\_status = 'Current';**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Bad Loan Funded Amount**

**SELECT**

**SUM(loan\_amount) AS Bad\_Loan\_Funded\_Amount**

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

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

**A black screen with white text

AI-generated content may be incorrect.**

**Bad Loan Received Amount**

**SELECT**

**SUM(total\_payment) AS Bad\_Loan\_Received\_Amount**

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

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

**A black screen with white text

AI-generated content may be incorrect.**

**Loan Status**

**SELECT**

**loan\_status,**

**COUNT('id') AS Loan\_Count,**

**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`.bank\_loan\_data**

**GROUP BY loan\_status;**

**A screenshot of a black and white screen

AI-generated content may be incorrect.**

**--**

**SELECT**

**loan\_status,**

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

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

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**WHERE**

**MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) = 12**

**GROUP BY loan\_status;**

**A screenshot of a black and white screen

AI-generated content may be incorrect.**

**Monthly Trend By Issue Date**

**SELECT**

**MONTHNAME(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) AS Month\_Name,**

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

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

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

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**GROUP BY MONTHNAME(STR\_TO\_DATE(issue\_date, '%c/%e/%y')) , MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y'))**

**ORDER BY MONTH(STR\_TO\_DATE(issue\_date, '%c/%e/%y'));**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Regional Analysis By Sate**

**SELECT**

**address\_state,**

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

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

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

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**GROUP BY address\_state**

**ORDER BY address\_state;**

**A black and white table with numbers

AI-generated content may be incorrect.**

**Loan Term Analysis**

**SELECT**

**term,**

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

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

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

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**GROUP BY term**

**ORDER BY term;**

**A black and white screen with numbers

AI-generated content may be incorrect.**

**Employee Length Analysis**

**SELECT**

**emp\_length,**

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

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

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

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**GROUP BY emp\_length**

**ORDER BY emp\_length;**

**A screenshot of a black and white table

AI-generated content may be incorrect.**

**Loan Purpose Breakdown**

**SELECT**

**purpose,**

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

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

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

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**GROUP BY purpose**

**ORDER BY purpose;**

**A black and white table with numbers

AI-generated content may be incorrect.**

**Home Ownership Analysis**

**SELECT**

**home\_ownership,**

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

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

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

**FROM**

**`Bank Loan DB`.bank\_loan\_data**

**GROUP BY home\_ownership**

**ORDER BY home\_ownership;**

**A black and white screen with numbers

AI-generated content may be incorrect.**