**BANK LOAN REPORT QUERY DOCUMENT**

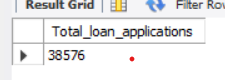
1. **BANK LOAN REPORT | SUMMARY.**

**KPI’s:**

**Total Loan Applications:**

**select count(\*) as Total\_loan\_applications**

**from bank\_loan\_data;**

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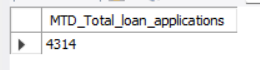
**MTD Loan Applications:**

**select count(id) as MTD\_Total\_loan\_applications**

**from bank\_loan\_data**

**where year(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select year(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data)**

**and month(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select month(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data);**

****

**PMTD Loan Applications:**

**select count(id) as PMTD\_Total\_loan\_applications**

**from bank\_loan\_data**

**where year(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select year(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data)**

**and month(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select month(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) - 1 from bank\_loan\_data);**

**A screen shot of a computer

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**MOM = (MTD – PMTD) / PMTD**

**Total Funded Amount:**

**select sum(loan\_amount) as total\_funded\_amount**

**from bank\_loan\_data;**

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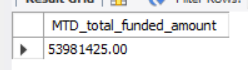
**MTD Total Funded Amount**

**select sum(loan\_amount) as MTD\_total\_funded\_amount**

**from bank\_loan\_data**

**where year(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select year(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data)**

**and month(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select month(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data);**

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**PMTD Total Funded Amount**

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**from bank\_loan\_data**

**where year(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select year(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data)**

**and month(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select month(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) - 1 from bank\_loan\_data);**

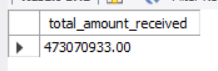
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**Total Amount Received**

select sum(total\_payment) as total\_amount\_received

from bank\_loan\_data;



**MTD Total Amount Received**

select sum(total\_payment) as MTD\_total\_amount\_received

from bank\_loan\_data

where year(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select year(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data)

and month(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select month(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data);

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**PMTD Total Amount Received**

select sum(total\_payment) as PMTD\_total\_amount\_received

from bank\_loan\_data

where year(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select year(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data)

and month(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select month(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) - 1 from bank\_loan\_data);

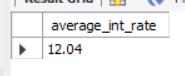
A screenshot of a computer

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**Average Interest**

**select round(avg(int\_rate) \* 100,2) as average\_int\_rate**

**from bank\_loan\_data;**

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**MTD Average Interest**

**select round(avg(int\_rate) \* 100,2) as MTD\_average\_int\_rate**

**from bank\_loan\_data**

**where year(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select year(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data)**

**and month(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select month(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data);**

**A screen shot of a computer

Description automatically generated**

**MTD Average Interest**

**select round(avg(int\_rate) \* 100,2) as PMTD\_average\_int\_rate**

**from bank\_loan\_data**

**where year(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select year(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data)**

**and month(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select month(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) - 1 from bank\_loan\_data);**

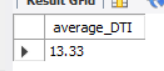
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**Average DTI**

select round(avg(dti) \* 100,2) as average\_DTI

from bank\_loan\_data;



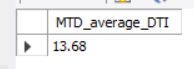
**MTD Average DTI**

select round(avg(dti) \* 100,2) as MTD\_average\_DTI

from bank\_loan\_data

where year(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select year(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data)

and month(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select month(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data);



**PMTD Average DTI**

**select round(avg(dti) \* 100,2) as PMTD\_average\_DTI**

**from bank\_loan\_data**

**where year(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select year(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data)**

**and month(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select month(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) - 1 from bank\_loan\_data);**

**A screenshot of a computer

Description automatically generated**

**GOOD LOAN ISSUED**

**Good Loan Percentage**

**select round(count(case when loan\_status in ('Fully Paid', 'Current') then id end) / count(id) \* 100, 0) as Good\_loan\_perccentage**

**from bank\_loan\_data ;**

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Description automatically generated**

**Good Loan Applications**

**select count(case when loan\_status in ('Fully Paid', 'Current') then id end) as Good\_loan\_Application**

**from bank\_loan\_data ;**

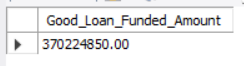
**A screenshot of a computer

Description automatically generated**

**Good Loan Funded Amount:**

**select sum(case when loan\_status in ('Fully Paid', 'Current') then loan\_amount end) as Good\_Loan\_Funded\_Amount**

**from bank\_loan\_data ;**

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**Good Loan Amount Received**

select sum(case when loan\_status in ('Fully Paid', 'Current') then total\_payment end) as Good\_Loan\_Received\_Amount

from bank\_loan\_data ;

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Description automatically generated

**BAD LOAN ISSUED**

**Bad Loan Percentag:**

**select round(count(case when loan\_status = 'Charged Off'then id end) / count(id) \* 100, 0) as Bad\_Loan\_Percentage**

**from bank\_loan\_data ;**

**A screen shot of a computer

Description automatically generated**

**Bad Loan Applications**

select count(case when loan\_status = 'Charged Off' then id end) as Bad\_Loan\_Application

from bank\_loan\_data ;

A close up of a sign

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**Bad Loan Funded Amount**

select sum(case when loan\_status = 'Charged Off' then loan\_amount end) as Bad\_Loan\_Funded\_Amount

from bank\_loan\_data ;

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Description automatically generated

**Bad Loan Amount Received**

select sum(case when loan\_status = 'Charged Off' then total\_payment end) as Bad\_Loan\_Received\_Amount

from bank\_loan\_data ;



**LOAN STATUS:**

select

loan\_status,

count(id) as Total\_Loan\_Application,

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\_data

group by

loan\_status

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select

loan\_status,

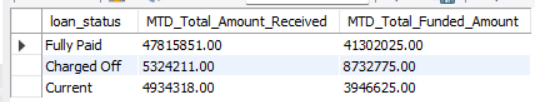
sum(total\_payment) as MTD\_Total\_Amount\_Received,

sum(loan\_amount) as MTD\_Total\_Funded\_Amount

from bank\_loan\_data

where month(str\_to\_date(issue\_date, '%d-%m-%Y')) = (select month(max(str\_to\_date(issue\_date, '%d-%m-%Y'))) from bank\_loan\_data)

group by loan\_status;



1. **BANK LOAN REPORT | OVERVIEW**
2. **MONTH**

select

month(str\_to\_date(issue\_date, '%d-%m-%Y')) AS Month\_Munber,

monthname(str\_to\_date(issue\_date, '%d-%m-%Y')) as Month\_name,

count(id) as Total\_Loan\_Applications,

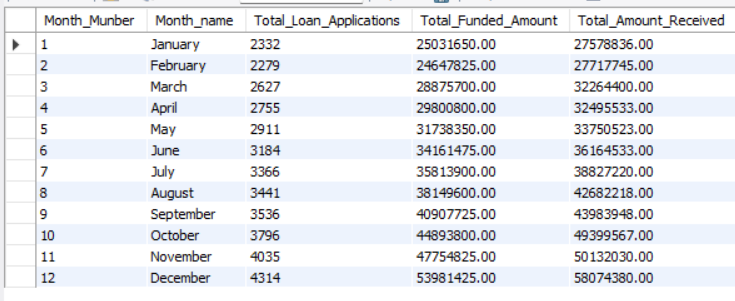
sum(loan\_amount) as Total\_Funded\_Amount,

sum(total\_payment) as Total\_Amount\_Received

from bank\_loan\_data

group by month(str\_to\_date(issue\_date, '%d-%m-%Y')), monthname(str\_to\_date(issue\_date, '%d-%m-%Y'))

order by month(str\_to\_date(issue\_date, '%d-%m-%Y')) ;



**STATE**

select

address\_state,

count(id) as Total\_Loan\_Applications,

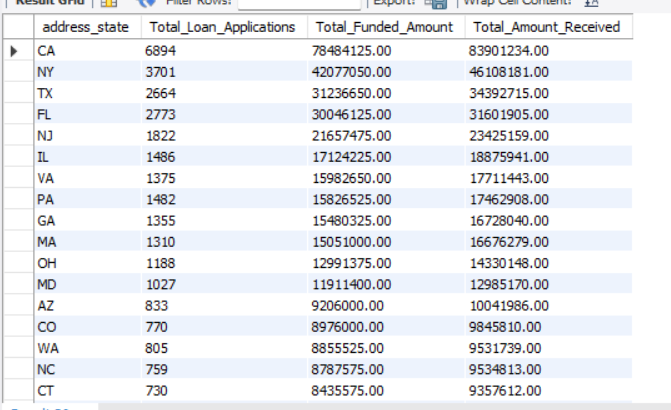
sum(loan\_amount) as Total\_Funded\_Amount,

sum(total\_payment) as Total\_Amount\_Received

from bank\_loan\_data

group by address\_state

order by sum(loan\_amount) desc ;



**TERM**

select

term,

count(id) as Total\_Loan\_Applications,

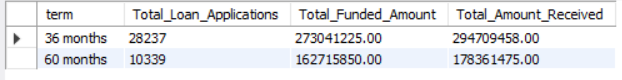
sum(loan\_amount) as Total\_Funded\_Amount,

sum(total\_payment) as Total\_Amount\_Received

from bank\_loan\_data

group by term

order by term;



**EMPLOYEE LENGTH**

select

emp\_length,

count(id) as Total\_Loan\_Applications,

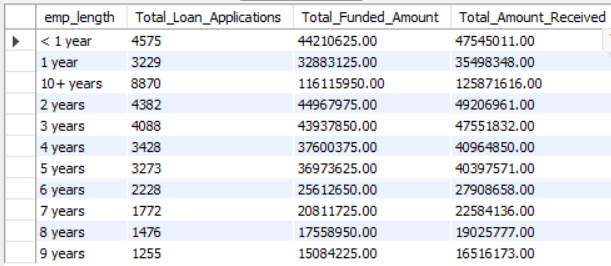
sum(loan\_amount) as Total\_Funded\_Amount,

sum(total\_payment) as Total\_Amount\_Received

from bank\_loan\_data

group by emp\_length

order by emp\_length;



**PURPOSE**

select purpose,

count(id) as Total\_Loan\_Applications,

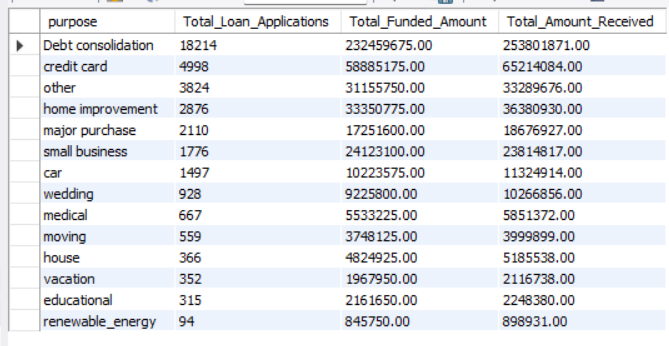
sum(loan\_amount) as Total\_Funded\_Amount,

sum(total\_payment) as Total\_Amount\_Received

from bank\_loan\_data

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\_data

group by home\_ownership

order by count(id) desc;

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*Note: We have applied multiple Filters on all the dashboards. You can check the results for the filters as well by modifying the query and comparing the results.*

*For e.g*

*See the results when we hit the Grade A in the filters for dashboards.*