

# BANK LOAN REPORT QUERY DOCUMENT

## A) BANK LOAN REPORT | SUMMARY – DASHBOARD 1

### 1.Total Loan Applications

SQLQuery1.sql - VA...VAIDI\Vaidehi (74))*					
<pre>SELECT * FROM bank_loan_data</pre> <pre>SELECT COUNT(id) AS Total_Applications FROM bank_loan_data</pre>					
99 %					
Results	Messages				
<table><thead><tr><th></th><th>Total_Applications</th></tr></thead><tbody><tr><td>1</td><td>38576</td></tr></tbody></table>			Total_Applications	1	38576
	Total_Applications				
1	38576				

### 2. MTD (Month-to-Date) Loan Applications

SQLQuery1.sql - VA...VAIDI\Vaidehi (74))*					
<pre>SELECT * FROM bank_loan_data</pre> <pre>SELECT COUNT(id) AS Total_Applications FROM bank_loan_data</pre> <pre>WHERE MONTH(issue_date) = 12</pre>					
99 %					
Results	Messages				
<table><thead><tr><th></th><th>Total_Applications</th></tr></thead><tbody><tr><td>1</td><td>4314</td></tr></tbody></table>			Total_Applications	1	4314
	Total_Applications				
1	4314				

### 3. PMTD (Previous-Month-to-Date) Loan Applications

SQLQuery1.sql - VA...VAIDI\Vaidehi (74))*					
<pre>SELECT * FROM bank_loan_data</pre> <pre>SELECT COUNT(id) AS Total_Applications FROM bank_loan_data</pre> <pre>WHERE MONTH(issue_date) = 11</pre>					
99 %					
Results	Messages				
<table><thead><tr><th></th><th>Total_Applications</th></tr></thead><tbody><tr><td>1</td><td>4035</td></tr></tbody></table>			Total_Applications	1	4035
	Total_Applications				
1	4035				

#### 4. Total Funded Amount

SQLQuery1.sql - VA...VAIDI\Vaidehi (74))*					
<pre>SELECT * FROM bank_loan_data</pre> <pre>SELECT SUM(loan_amount) AS Total_Funded_Amount FROM bank_loan_data</pre>					
99 %					
Results	Messages				
<table><thead><tr><th></th><th>Total_Funded_Amount</th></tr></thead><tbody><tr><td>1</td><td>435757075</td></tr></tbody></table>			Total_Funded_Amount	1	435757075
	Total_Funded_Amount				
1	435757075				



#### 5. MTD (Month-To-Date) Total Funded Amount

SQLQuery1.sql - VA...VAIDI\Vaidehi (74))*					
<pre>SELECT * FROM bank_loan_data</pre> <pre>SELECT SUM(loan_amount) AS Total_Funded_Amount FROM bank_loan_data</pre> <pre>WHERE MONTH(issue_date) = 12</pre>					
99 %					
Results	Messages				
<table><thead><tr><th></th><th>Total_Funded_Amount</th></tr></thead><tbody><tr><td>1</td><td>53981425</td></tr></tbody></table>			Total_Funded_Amount	1	53981425
	Total_Funded_Amount				
1	53981425				


#### 6. PMTD (Previous-Month-to-Date) Total Funded Amount

SQLQuery1.sql - VA...VAIDI\Vaidehi (74))*					
<pre>SELECT * FROM bank_loan_data</pre> <pre>SELECT SUM(loan_amount) AS Total_Funded_Amount FROM bank_loan_data</pre> <pre>WHERE MONTH(issue_date) = 11</pre>					
99 %					
Results	Messages				
<table><thead><tr><th></th><th>Total_Funded_Amount</th></tr></thead><tbody><tr><td>1</td><td>47754825</td></tr></tbody></table>			Total_Funded_Amount	1	47754825
	Total_Funded_Amount				
1	47754825				

## 7. Total Amount Received

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)) \*  



```
SELECT * FROM bank_loan_data  
  
SELECT SUM(total_payment) AS Total_Amount_Collected FROM bank_loan_data
```

99 % 


Results Messages

	Total_Amount_Collected
1	473070933

## 8. Total Amount Received

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)) \*  



```
SELECT * FROM bank_loan_data  
  
SELECT SUM(total_payment) AS Total_Amount_Collected FROM bank_loan_data  
WHERE MONTH(issue_date) = 12
```

99 % 


Results Messages

	Total_Amount_Collected
1	58074380

## 9. PMTD (Previous-Month-to-Date) Total Amount Received

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)) \*  

```
SELECT * FROM bank_loan_data  
  
SELECT SUM(total_payment) AS Total_Amount_Collected FROM bank_loan_data  
WHERE MONTH(issue_date) = 11
```

99 % 

Results Messages

	Total_Amount_Collected
1	50132030

## 10. Average Interest Rate

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)) \* ✖

```
SELECT * FROM bank_loan_data
```

```
SELECT AVG(int_rate)*100 AS Avg_Int_Rate FROM bank_loan_data
```

99 %

Results Messages

	Avg_Int_Rate
1	12.0488314172048

## 11. MTD (Month-to-Date) Average Interest

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)) \* ✖

```
SELECT * FROM bank_loan_data
```

```
SELECT AVG(int_rate)*100 AS MTD_Avg_Int_Rate FROM bank_loan_data  
WHERE MONTH(issue_date) = 12
```

99 %

Results Messages

	MTD_Avg_Int_Rate
1	12.3560408676042

## 12. PMTD (Previous-Month-to-Date) Average Interest

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)) \* ✖

```
SELECT * FROM bank_loan_data
```

```
SELECT AVG(int_rate)*100 AS PMTD_Avg_Int_Rate FROM bank_loan_data  
WHERE MONTH(issue_date) = 11
```

99 %

Results Messages

	PMTD_Avg_Int_Rate
1	11.9417175498261

### 13. Avg DTI (Debt-To-Income)

SQLQuery1.sql - VA...VAIDI\Vaidehi (74))\*

```
SELECT * FROM bank_loan_data
```

```
SELECT AVG(dti)*100 AS Avg_DTI FROM bank_loan_data
```

99 %

Results Messages

	Avg_DTI
1	13.3274331211432

### 14. MTD (Month-to-Date) Avg DTI

SQLQuery1.sql - VA...VAIDI\Vaidehi (74))\*

```
SELECT * FROM bank_loan_data
```

```
SELECT AVG(dti)*100 AS MTD_Avg_DTI FROM bank_loan_data
```

```
WHERE MONTH(issue_date) = 12
```

99 %

Results Messages

	MTD_Avg_DTI
1	13.6655377880425

### 15. PMTD (Previous-Month-to-Date) Avg DTI

SQLQuery1.sql - VA...VAIDI\Vaidehi (74))\*

```
SELECT * FROM bank_loan_data
```

```
SELECT AVG(dti)*100 AS PMTD_Avg_DTI FROM bank_loan_data
```

```
WHERE MONTH(issue_date) = 11
```

99 %

Results Messages

	PMTD_Avg_DTI
1	13.3027335836364

## GOOD LOAN ISSUED

### 16. Good Loan Percentage

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)\*

```
SELECT * FROM bank_loan_data
```

```
SELECT  
(COUNT(CASE WHEN loan_status = 'Fully Paid' OR loan_status = 'Current' THEN id END) * 100.0) /  
COUNT(id) AS Good_Loan_Percentage  
FROM bank_loan_data
```

99 %

Results Messages

	Good_Loan_Percentage
1	86.175342181667

### 17. Good Loan Applications

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)\*

```
SELECT * FROM bank_loan_data
```

```
SELECT COUNT(id) AS Good_Loan_Applications FROM bank_loan_data  
WHERE loan_status = 'Fully Paid' OR loan_status = 'Current'
```

99 %

Results Messages

	Good_Loan_Applications
1	33243

### 18. Good Loan Funded Amount

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)\*

```
SELECT * FROM bank_loan_data
```

```
SELECT SUM(loan_amount) AS Good_Loan_Funded_amount FROM bank_loan_data  
WHERE loan_status = 'Fully Paid' OR loan_status = 'Current'
```

99 %

Results Messages

	Good_Loan_Funded_amount
1	370224850

## 19. Good Loan Amount Received

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)) \* ✕

```
SELECT * FROM bank_loan_data
```

```
SELECT SUM(total_payment) AS Good_Loan_amount_received FROM bank_loan_data  
WHERE loan_status = 'Fully Paid' OR loan_status = 'Current'
```

99 %

Results Messages

	Good_Loan_amount_received
1	435786170

## BAD LOAN ISSUED

## 20. Bad Loan Percentage

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)) \* ✕

```
SELECT * FROM bank_loan_data
```

```
SELECT  
(COUNT(CASE WHEN loan_status = 'Charged Off' THEN id END) * 100.0) /  
COUNT(id) AS Bad_Loan_Percentage  
FROM bank_loan_data
```

99 %

Results Messages

	Bad_Loan_Percentage
1	13.824657818332

## 21. Bad Loan Applications

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)) \* ✕

```
SELECT * FROM bank_loan_data
```



```
SELECT COUNT(id) AS Bad_Loan_Applications FROM bank_loan_data  
WHERE loan_status = 'Charged Off'
```

99 %

Results Messages


	Bad_Loan_Applications
1	5333


## 22. Bad Loan Funded Amount

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)) \*  

```
SELECT * FROM bank_loan_data
```



```
SELECT SUM(loan_amount) AS Bad_Loan_Funded_amount FROM bank_loan_data  
WHERE loan_status = 'Charged Off'
```

99 % 

Results  Messages


	Bad_Loan_Funded_amount
1	65532225


## 23. Bad Loan Amount Received

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)) \*  

```
SELECT * FROM bank_loan_data
```



```
SELECT SUM(total_payment) AS Bad_Loan_amount_received FROM bank_loan_data  
WHERE loan_status = 'Charged Off'
```

99 % 

Results  Messages


	Bad_Loan_amount_received
1	37284763


## 24. LOAN STATUS

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)) \*  

```
SELECT * FROM bank_loan_data
```

```
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  
    bank_loan_data  
GROUP BY  
    loan_status
```

99 % 

Results  Messages

	loan_status	LoanCount	Total_Amount_Received	Total_Funded_Amount	Interest_Rate	DTI
1	Fully Paid	32145	411586256	351358350	11.6410707918092	13.1673507557434
2	Charged Off	5333	37284763	65532225	13.8785749318289	14.0047328005517
3	Current	1098	24199914	18866500	15.0993260800947	14.7243442736843



SQLQuery1.sql - VA...VAIDI\Vaidehi (74))*			
SELECT * FROM bank_loan_data			
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(issue_date) = 12			
GROUP BY loan_status			
99 %			
Results Messages			
loan_status	MTD_Total_Amount_Received	MTD_Total_Funded_Amount	
1 Fully Paid	47815851	41302025	
2 Charged Off	5324211	8732775	
3 Current	4934318	3946625	

## B)BANK LOAN REPORT | OVERVIEW

### 24.MONTH

SQLQuery1.sql - VA...VAIDI\Vaidehi (74))*					
SELECT * FROM bank_loan_data					
SELECT					
MONTH(issue_date) AS Month_Munber,					
DATENAME(MONTH, issue_date) 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(issue_date), DATENAME(MONTH, issue_date)					
ORDER BY MONTH(issue_date)					
99 %					
Results Messages					
	Month_Munber	Month_name	Total_Loan_Applications	Total_Funded_Amount	Total_Amount_Received
1	1	January	2332	25031650	27578836
2	2	February	2279	24647825	27717745
3	3	March	2627	28875700	32264400
4	4	April	2755	29800800	32495533
5	5	May	2911	31738350	33750523
6	6	June	3184	34161475	36164533
7	7	July	3366	35813900	38827220
8	8	August	3441	38149600	42682218
9	9	September	3536	40907725	43983948
10	10	October	3796	44893800	49399567
11	11	November	4035	47754825	50132030
12	12	December	4314	53981425	58074380

## 25. STATE

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)) \* X

```
SELECT * FROM bank_loan_data
```

```
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 bank_loan_data
GROUP BY address_state
ORDER BY address_state
```

99 %

Results Messages

	State	Total_Loan_Applications	Total_Funded_Amount	Total_Amount_Received
1	AK	78	1031800	1108570
2	AL	432	4949225	5492272
3	AR	236	2529700	2777875
4	AZ	833	9206000	10041986
5	CA	6894	78484125	83901234
6	CO	770	8976000	9845810
7	CT	730	8435575	9357612
8	DC	214	2652350	2921854
9	DE	110	1138100	1269136
10	FL	2773	30046125	31601905
11	GA	1355	15480325	16728040
12	HI	170	1850525	2080184
13	IA	5	56450	64482
14	ID	6	59750	65329
15	IL	1486	17124225	18875941
16	IN	9	86225	85521
17	KS	260	2872325	3247394
18	KY	320	3504100	3792530
19	LA	426	4498900	5001160
20	MA	1310	15051000	16676279
21	MD	1027	11911400	12985170
22	ME	3	9200	10808
23	MI	685	7829900	8543660
24	MN	592	6302600	6750746
25	MO	660	7151175	7692732
26	MS	19	139125	149342
27	MT	79	829525	892047
28	NC	759	8787575	9534813
29	NE	5	31700	24542
30	NH	161	1917900	2101386
31	NJ	1822	21657475	23425159
32	NM	183	1916775	2084485
33	NV	482	5307375	5451443
34	NY	3701	42077050	46108181
35	OH	1188	12991375	14330148

Query executed successfully.

VAIDI (16.0 RTM) VAIDI\Vaidehi (74) Bank Loan DB 00:00:00 50 rows

## 26. TERM

SQLQuery1.sql - VA...VAIDI\Vaidehi (74)) \* X

```
SELECT * FROM bank_loan_data
```

```
SELECT
    term AS 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
```

99 %

Results Messages

	Term	Total_Loan_Applications	Total_Funded_Amount	Total_Amount_Received
1	36 months	28237	273041225	294709458
2	60 months	10339	162715850	178361475

## 27. EMPLOYEE LENGTH

SQLQuery1.sql - VA...VAIDI(Vaidehi (74))\*

```
SELECT * FROM bank_loan_data
```

```
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
```

99 %

Results Messages

	Employee_Length	Total_Loan_Applications	Total_Funded_Amount	Total_Amount_Received
1	< 1 year	4575	44210625	47545011
2	1 year	3229	32883125	35498348
3	10+ years	8870	116115950	125871616
4	2 years	4382	44967975	49206961
5	3 years	4088	43937850	47551832
6	4 years	3428	37600375	40964850
7	5 years	3273	36973625	40397571
8	6 years	2228	25612650	27908658
9	7 years	1772	20811725	22584136
10	8 years	1476	17558950	19025777
11	9 years	1255	15084225	16516173

## 28. PURPOSE

SQLQuery1.sql - VA...VAIDI(Vaidehi (74))\*

```
SELECT * FROM bank_loan_data
```

```
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
GROUP BY purpose
ORDER BY purpose
```

99 %

Results Messages

	PURPOSE	Total_Loan_Applications	Total_Funded_Amount	Total_Amount_Received
1	car	1497	10223575	11324914
2	credit card	4998	58885175	65214084
3	Debt consolidation	18214	232459675	253801871
4	educational	315	2161650	2248380
5	home improvement	2876	33350775	36380930
6	house	366	4824925	5185538
7	major purchase	2110	17251600	18676927
8	medical	667	5533225	5851372
9	moving	559	3748125	3999899
10	other	3824	31155750	33289676
11	renewable_energy	94	845750	898931
12	small business	1776	24123100	23814817
13	vacation	352	1967950	2116738
14	wedding	928	9225800	10266856

29. HOME OWNERSHIP

SQLQuery1.sql - VA...VAIDI\Vaidehi (74))

SELECT \* FROM bank\_loan\_data

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

99 %

Results

Messages

	Home_Ownership	Total_Loan_Applications	Total_Funded_Amount	Total_Amount_Received
1	MORTGAGE	17198	219329150	238474438
2	NONE	3	16800	19053
3	OTHER	98	1044975	1025257
4	OWN	2838	29597675	31729129
5	RENT	18439	185768475	201823056