

**JOMEESH JOSE**

**ROLL NO:03**

**RMCA-B S2**

**EXPERIMENT NO.5 :**

**AGGREGATE FUNCTIONS**

- 1.List total loan
- 2.List total deposit
- 3.List total loan taken from KAROLBAGH branch
- 4.List total deposit of customers having account date later than 1-Jan-96
- 5.List total deposit of customers living in city NAGPUR
- 6.List maximum deposit of customer living in Bombay
- 7.List total deposit of customer having branch in BOMBAY
- 8.Count total number of branch cities
- 9.Count total number of customers cities
- 10.Give branch names and branch wise deposit
- 11.Give city wise name and branch wise deposit
- 12.Give the branch wise loan of customer living in NAGPUR
- 13.Count total number of customers
- 14.Count total number of depositors branch wise
- 15.Count total number of depositors branch wise
- 16.Give maximum loan from branch VRCE
- 17.Give the number of customers who are depositors as well as borrowers

## QUERY

```
mysql> SELECT SUM (AMOUNT) FROM BORROW;
ERROR 1630 (42000): FUNCTION testdb.SUM does not exist. Check the 'Function Name Parsing and Resolution' section in the Reference Manual
mysql> SELECT SUM(AMOUNT) FROM BORROW;
+-----+
| SUM(AMOUNT) |
+-----+
|      22000 |
+-----+
1 row in set (0.13 sec)

mysql> SELECT SUM(AMOUNT) FROM DEPOSIT;
+-----+
| SUM(AMOUNT) |
+-----+
|      24200 |
+-----+
1 row in set (0.14 sec)

mysql> SELECT MAX(AMOUNT) FROM BORROW WHERE BNAME='KAROLBAGH'
      -> SELECT MAX(AMOUNT) FROM BORROW WHERE BNAME='KAROLBAGH';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use
near 'SELECT MAX(AMOUNT) FROM BORROW WHERE BNAME='KAROLBAGH'' at line 2
mysql> SELECT MAX(AMOUNT) FROM BORROW WHERE BNAME='KAROLBAGH';
+-----+
| MAX(AMOUNT) |
+-----+
|          NULL |
+-----+
1 row in set (0.13 sec)
```

```
mysql> SELECT SUM(AMOUNT) FROM DEPOSIT WHERE ADATES>'1996-01-01';
+-----+
| SUM(AMOUNT) |
+-----+
|          5500 |
+-----+
1 row in set (0.03 sec)

mysql> SELECT SUM(D1.AMOUNT) FROM DEPOSIT D1,CUSTOMER C1 WHERE C1.CITY='NAGPUR' AND C1.CNAME = D1.CNAME;
'>
'> SELECT SUM(D1.AMOUNT) FROM DEPOSIT D1,CUSTOMER C1 WHERE C1.CITY='NAGPUR'AND C1.CNAME = D1.CNAME;
'> MYSQL
'> '
-> -
-> SELECT SUM(D1.AMOUNT) FROM DEPOSIT D1,CUSTOMER C1 WHERE C1.CITY='NAGPUR'AND C1.CNAME = D1.CNAME;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use
near 'NAGPUR'AND C1.CNAME = D1.CNAME;
MYSQL
'
-
SELECT SUM(D1.AMOUNT) FROM DEPOSIT D1,' at line 3
mysql> SELECT SUM(D1.AMOUNT) FROM DEPOSIT D1 , CUSTOMER C1 WHERE C1.CITY = 'NAGPUR' AND C1.CNAME = D1.CNAME;
+-----+
| SUM(D1.AMOUNT) |
+-----+
|          4200 |
+-----+
1 row in set (0.16 sec)
```

```
mysql> SELECT MAX(D1.AMOUNT) FROM DEPOSIT D1 , CUSTOMER C1 WHERE C1.CITY = 'Bombay' AND C1.CNAME = D1.CNAME;
+-----+
| MAX(D1.AMOUNT) |
+-----+
|          5000 |
+-----+
1 row in set (0.00 sec)

mysql> SELECT SUM (AMOUNT) from deposit,BRANCH where city='BOMBAY';
ERROR 1630 (42000): FUNCTION testdb.SUM does not exist. Check the 'Function Name Parsing and Resolution' section in the Reference Manual
mysql> SELECT SUM (AMOUNT) from deposit,BRANCH where city='BOMBAY';
ERROR 1630 (42000): FUNCTION testdb.SUM does not exist. Check the 'Function Name Parsing and Resolution' section in the Reference Manual
mysql> SELECT SUM(AMOUNT) from deposit,BRANCH where city='BOMBAY';
+-----+
| SUM(AMOUNT) |
+-----+
|        48400 |
+-----+
1 row in set (0.11 sec)

mysql> SELECT COUNT(DISTINCT (CITY)) FROM BRANCH ;
+-----+
| COUNT(DISTINCT (CITY)) |
+-----+
|              4 |
+-----+
1 row in set (0.09 sec)

mysql> SELECT count(city) from CUSTOMER;
+-----+
| count(city) |
+-----+
|           10 |
+-----+
```

```
mysql> SELECT BNAME , SUM(AMOUNT) FROM DEPOSIT GROUP BY BNAME;
```

BNAME	SUM(AMOUNT)
VRCE	1000
AJNI	500
KAROLBAGH	3500
CHANDNI	1200
MG ROAD	3000
ANDHERI	2000
VIRAR	1000
NEHRU PLACE	5000
POWAI	7000

```
9 rows in set (0.00 sec)
```

```
mysql> SELECT CITY , SUM(AMOUNT) FROM DEPOSIT GROUP BY CITY;
```

```
ERROR 1054 (42S22): Unknown column 'CITY' in 'field list'
```

```
mysql> SELECT C1.CITY , SUM(D1.AMOUNT) FROM CUSTOMER C1 , DEPOSIT D1 WHERE D1.CNAME = C1.CNAME GROUP BY C1.CITY;
```

CITY	SUM(D1.AMOUNT)
CALCUTTA	1000
DELHI	500
BARODA	3500
NAGPUR	4200
SURAT	2000
BOMBAY	6000

```
6 rows in set (0.00 sec)
```

```
mysql> SELECT BNAME , SUM(AMOUNT) FROM BORROW,CUSTOMER WHERE city ='NAGPUR' GROUP BY BNAME;
```

BNAME	SUM(AMOUNT)
VRCE	2000
AJNI	10000
DHARAMPETH	6000
ANDHERI	4000
VIRAR	16000
NEHRU PLACE	6000

```
6 rows in set (0.00 sec)
```

```
mysql> SELECT COUNT(CNAME) FROM CUSTOMER;
```

COUNT(CNAME)
10

```
1 row in set (0.30 sec)
```

```
mysql> SELECT BName, count(*)from DEPOSIT, CUSTOMER where deposit.CNAME = CUSTOMER.CNAME group by BNAME;
```

BName	count(*)
VRCE	1
AJNI	1
KAROLBAGH	1
CHANDNI	1
MG ROAD	1
ANDHERI	1
VIRAR	1
NEHRU PLACE	1

8 rows in set (0.02 sec)

```
mysql> SELECT BName, count (*)from DEPOSIT, CUSTOMER where deposit.CNAME = CUSTOMER.CNAME group by BNAME;
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '\*)from DEPOSIT, CUSTOMER where deposit.CNAME = CUSTOMER.CNAME group by BNAME' at line 1

```
mysql> SELECT MAX(AMOUNT) FROM BORROW WHERE BNAME ='VRCE';
```

MAX(AMOUNT)
1000

1 row in set (0.00 sec)