

JOMEESH JOSE

RMCA S2-B

ROLL NO:03

EXPERIMENT-8 : 24/05/2021

GROUP BY AND HAVING

- 1.List the branches having sum of deposit more than 5000.
- 2.List the branches having sum of deposit more than 500 and located in city BOMBAY
- 3.List the names of customers having deposited in the branches where the average deposit is more than 5000.
- 4.List the names of customers having maximum deposit
- 5.List the name of branch having highest number of depositors?
- 6.Count the number of depositors living in NAGPUR.
- 7.Give names of customers in VRCE branch having more deposite than any other customer in same branch
- 8.Give the names of branch where number of depositors is more than 5
- 9.Give the names of cities in which the maximum number of branches are located
- 10.Count the number of customers living in the city where branch is located

OUTPUT

```
mysql> SELECT D.BNAME FROM DEPOSIT D,BRANCH B WHERE D.BNAME=B.BNAME GROUP BY D.BNAME HAVING SUM(D.AMOUNT)>5000;
+-----+
| BNAME |
+-----+
| POWAI |
+-----+
1 row in set (0.26 sec)

mysql> SELECT D.BNAME FROM DEPOSIT D,BRANCH B WHERE D.BNAME=B.BNAME AND B.CITY='BOMBAY' GROUP BY D.BNAME HAVING SUM(D.AMOUNT)>500;
+-----+
| BNAME |
+-----+
| ANDHERI |
| POWAI |
+-----+
2 rows in set (0.12 sec)

mysql> SELECT CNAME FROM DEPOSIT WHERE AMOUNT=(SELECT AVERAGE(AMOUNT) FROM DEPOSIT GROUP BY BNAME HAVING AVG(AMOUNT)>5000);
ERROR 1305 (42000): FUNCTION testdb.AVERAGE does not exist
mysql> SELECT CNAME FROM DEPOSIT WHERE AMOUNT=(SELECT AVG(AMOUNT) FROM DEPOSIT GROUP BY BNAME HAVING AVG(AMOUNT)>5000);
+-----+
| CNAME |
+-----+
| MINU |
+-----+
1 row in set (0.30 sec)

mysql> SELECT CNAME,MAX(AMOUNT)"AMOUNT" FROM DEPOSIT;
+-----+-----+
| CNAME | AMOUNT |
+-----+-----+
| ANIL | 7000 |
+-----+-----+
1 row in set (0.07 sec)
```

```
mysql> SELECT D1.BNAME FROM DEPOSIT D1 GROUP BY D1.BNAME HAVING COUNT(D1.CNAME)>=ALL (SELECT COUNT(D2.CNAME) FROM DEPOSIT D2 GROUP BY D2.BNAME);
```

BNAME
VRCE
AJNI
KAROLBAGH
CHANDNI
MG ROAD
ANDHERI
VIRAR
NEHRU PLACE
POWAI

```
9 rows in set (0.10 sec)
```

```
mysql> SELECT COUNT(DEPOSIT.CNAME)FROM DEPOSIT,CUSTOMER WHERE CUSTOMER.CITY='NAGPUR';
```

COUNT(DEPOSIT.CNAME)
18

```
1 row in set (0.11 sec)
```

```
mysql> SELECT BNAME FROM DEPOSIT GROUP BY BNAME HAVING COUNT(BNAME)>5;
Empty set (0.00 sec)
```

```
mysql> SELECT C.CNAME,COUNT(B.BNAME) FROM CUSTOMER C INNER JOIN BRANCH B ON C.CNAME =B.BNAME GROUP BY C.CNAME ORDER BY COUNT(B.BNAME)DESC;
Empty set (0.00 sec)
```

```
mysql> SELECT COUNT(B1.BNAME) FROM DEPOSIT D1,BORROW B1,CUSTOMER C1 WHERE C1.CNAME=D1.CNAME AND D1.CNAME=B1.CNAME AND C1.CITY IN (SELECT CITY FROM C
USTOMER);
ERROR 1146 (42S02): Table 'testdb.borrow' doesn't exist
```

```
mysql> SELECT COUNT(B1.BNAME) FROM DEPOSIT D1,BORROW B1,CUSTOMER C1 WHERE C1.CNAME=D1.CNAME AND D1.CNAME=B1.CNAME AND C1.CITY IN (SELECT CITY FROM CU
STOMER);
```

COUNT(B1.BNAME)
6

```
1 row in set (1.40 sec)
```

```
mysql>
```