**SWATHY KRISHNA P R**

**RMCA B**

**ROLL NO : 31**

**/\*EXPERIMENT NO. 7 : 24/05/2021 GROUP BY AND HAVING\*/**

/\*1.List the branches having sum of deposit more than 5000.\*/

SELECT D.BNAME FROM DEPOSIT D, BRANCH B WHERE D.BNAME=B.BNAME GROUP BY D.BNAME HAVING SUM(D.AMOUNT)>5000;

/\*2.List the branches having sum of deposit more than 500 and located in city BOMBAY\*/

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)>5000;

/\*3.List the names of customers having deposited in the branches where the average deposit is more than 5000.\*/

select CNAME from deposit where AMOUNT=(select AVG(Amount) from DEPOSIT GROUP BY BNAME having AVG(Amount)>5000);

/\*4.List the names of customers having maximum deposit\*/

SELECT CNAME,MAX(AMOUNT)"AMOUNT" FROM deposit;

/\*5.List the name of branch having highest number of depositors?\*/

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);

/\*6.Count the number of depositors living in NAGPUR.\*/

select count(deposit.cname)from deposit,CUSTOMER where CUSTOMER.CITY='nagpur';

/\*7.Give names of customers in VRCE branch having more deposite than any other customer in same branch\*/

Select CNAME from deposit where BNAME='VRCE' and amount=(select max(AMOUNT) from deposit where BNAME='VRCE');

/\*8.Give the names of branch where number of depositors is more than 5\*/

SELECT BNAME from deposit GROUP BY BNAME HAVING COUNT(BNAME)>5;

/\*9.Give the names of cities in which the maximum number of branches are located\*/

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;

/\*10.Count the number of customers living in the city where branch is located\*/

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 customer);

**OUTPUT**

**Enter password**

**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)>5000;**

**+-------+**

**| BNAME |**

**+-------+**

**| POWAI |**

**+-------+**

**1 row in set (0.06 sec)**

**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 (0.00 sec)**

**mysql> select CNAME from deposit where AMOUNT=(select AVG(Amount) from DEPOSIT GROUP BY BNAME having AVG(Amount)>5000);**

**+-------+**

**| CNAME |**

**+-------+**

**| NAREN |**

**+-------+**

**1 row in set (0.00 sec)**

**mysql> SELECT MAX(AMOUNT),CNAME FROM deposit;**

**+-------+-------------+**

**| CNAME | AMOUNT |**

**+-------+-------------+**

**| ANIL | 7000.00 |**

**+-------+-------------+**

**1 row in set (0.00 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 |**

**+-----------+**

**| CHANDNI |**

**| KAROLBAGH |**

**| M.G.ROAD |**

**| VRCE |**

**+-----------+**

**4 row 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 (0.00 sec)**

**mysql> Select CNAME from deposit where BNAME='VRCE' and amount=(select max(AMOUNT) from deposit where BNAME='VRCE');**

**+-------+**

**| CNAME |**

**+-------+**

**| ANIL |**

**+-------+**

**1 row in set (0.00 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 customer);**

**+-----------------+**

**| count(b1.bname) |**

**+-----------------+**

**| 6 |**

**+-----------------+**

**1 row in set (0.00 sec)**

**mysql>**