

EXPERIMENT NO. 8 : 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;

```
| bname |
+-----+
| POWAI |
+-----+
1 row in set (0.09 sec)

mysql> _
```

2. List the branches having sum of deposit more than 5000 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;

```
| bname |
+-----+
| POWAI |
+-----+
1 row in set (0.09 sec)

mysql> _
```

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);

```
mysql> use bank1;
Database changed
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 (3.98 sec)
```

4. List the names of customers having maximum deposit

SELECT MAX(AMOUNT),CNAME FROM DEPOSIT;

```
mysql> SELECT MAX(AMOUNT),CNAME FROM DEPOSIT;
+-----+-----+
| MAX(AMOUNT) | CNAME |
+-----+-----+
| 7000.00     | ANIL  |
+-----+-----+
1 row in set (0.00 sec)

mysql> _
```

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';

```
mysql> select count(deposit.cname)from deposit,CUSTOMER where CUSTOMER.CITY='nagpur';
+-----+
| count(deposit.cname) |
+-----+
| 16 |
+-----+
1 row in set (0.11 sec)

mysql> _
```

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');

```
mysql> select CNAME from deposit where BNAME='VRCE' and amount=(select max(AMOUNT) from deposit where BNAME='VRCE');
+-----+
| CNAME |
+-----+
| ANIL |
+-----+
1 row in set (0.06 sec)

mysql> _
```

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;

Empty set (0.07 sec)

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;

Empty set (0.23 sec)

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);

```
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) |
+-----+
| 5 |
+-----+
1 row in set (0.22 sec)

mysql> _
```