

## EXPERIMENT NO. 7

### AIM

To familiarize with Group by and Having clause

#### Questions

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 deposit 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

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

```
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;
```

```
1 • use bank;  
2 • SELECT D.BNAME FROM DEPOSIT D, BRANCH B WHERE  
3 D.BNAME=B.BNAME AND B.CITY='BOMBAY' GROUP BY D.BNAME HAVING  
4 SUM(D.AMOUNT)>5000;
```

<	
Result Grid	Filter Rows: <input type="text"/> Export:  Wrap Cell Content:
BNAME	
POWAI	

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 GROUP BY D.BNAME HAVING SUM(D.AMOUNT)>5000;
```

```

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

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	BNAME			
▶	POWAI			

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);

```

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

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CNAME			
▶	MINU			

4. List the names of customers having maximum deposit

SELECT MAX(AMOUNT),CNAME FROM deposit;

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	MAX(AMOUNT)	CNAME		
▶	7000	ANIL		

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);
```

1 • 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);

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

BNAME
VRCE
ANJANI
KAROLBAGH
HANDNI
MG ROAD
ANDHERI
VIRAR
MUMBAI

6. Count the number of depositors living in NAGPUR.

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

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

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

count(deposit.cname)
18

7. Give names of customers in VRCE branch having more deposit than any other customer in same branch

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

```

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

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CNAME			
▶	ANIL			

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;

```

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

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	BNAME			

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;

```

1 • select C.CNAME ,count(B.BNAME) from CUSTOMER C inner join Branch B on
2   C.CNAME=B.BNAME group by C.Cname order by count(B.BName) DESC;

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CNAME	count(B.BNAME)		

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);

```
1 • select count(b1.bname) From deposit d1 , borrow b1 , customer c1 Where
2 c1.cname=d1.cname and d1.cname=b1.cname and c1.city in (select city from customer);
```

&lt;

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	count(b1.bname)
▶	6