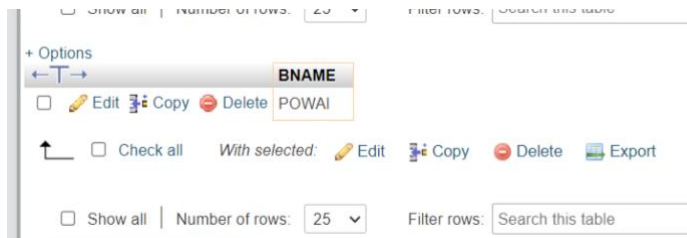


## EXPERIMENT NO.7 - GROUP BY AND HAVING

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

```
SELECT D.BNAME FROM DEPOSIT1 D, BRANCH B WHERE D.BNAME=B.BNAME GROUP BY D.BNAME  
HAVING SUM(D.AMOUNT)>5000;
```

### OUTPUT



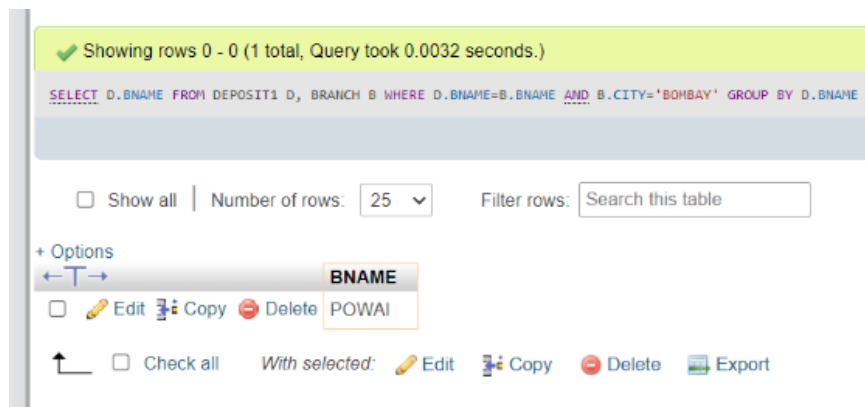
The screenshot shows a database interface with a table named 'BNAME'. The table has one row with the value 'POWAI'. The interface includes a search bar, a 'Number of rows' dropdown set to 25, and a 'Filter rows' input field. Below the table, there are options to 'Check all', 'With selected', 'Edit', 'Copy', 'Delete', and 'Export'.

BNAME
POWAI

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

```
SELECT D.BNAME FROM DEPOSIT1 D, BRANCH B WHERE D.BNAME=B.BNAME AND B.CITY='BOMBAY'  
GROUP BY D.BNAME HAVING SUM(D.AMOUNT)>5000;
```

### OUTPUT



The screenshot shows a database interface with a table named 'BNAME'. The table has one row with the value 'POWAI'. The interface includes a search bar, a 'Number of rows' dropdown set to 25, and a 'Filter rows' input field. Below the table, there are options to 'Check all', 'With selected', 'Edit', 'Copy', 'Delete', and 'Export'.

BNAME
POWAI

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

```
select CNAME from deposit1 where AMOUNT=(select AVG(Amount) from DEPOSIT1 GROUP BY BNAME having AVG(Amount)>5000);
```

#### OUTPUT

Showing rows 0 - 0 (1 total, Query took 0.0365 seconds.)

```
select CNAME from deposit1 where AMOUNT=(select AVG(Amount) from DEPOSIT1 GROUP BY BNAME having AVG(Amount)>5000);
```

Number of rows: 25 Filter rows: Search this table

+ Options

CNAME
-------

With selected: Edit Copy Delete Export

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

```
SELECT CNAME,MAX(AMOUNT)"AMOUNT" FROM deposit1;
```

#### OUTPUT

Showing rows 0 - 0 (1 total, Query took 0.0015 seconds.)

```
SELECT CNAME,MAX(AMOUNT)"AMOUNT" FROM deposit1
```

Number of rows: 25 Filter rows: Search this table

+ Options

CNAME	AMOUNT
ANIL	7000.00

With selected: Edit Copy Delete Export

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

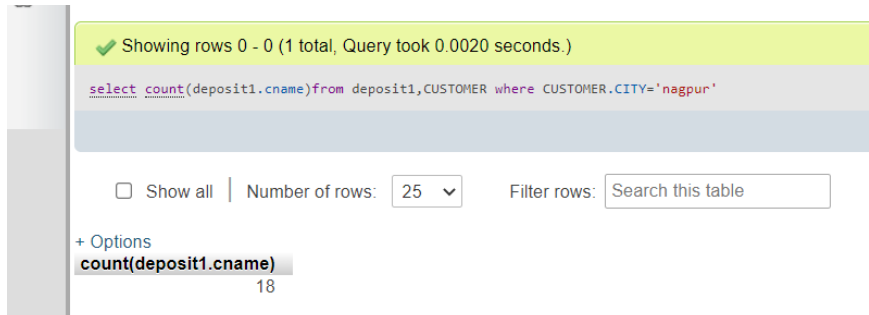
```
SELECT D1.BNAME FROM DEPOSIT1 D1 GROUP BY D1.BNAME HAVING COUNT(D1.CNAME) >= ALL (SELECT COUNT (D2.CNAME) FROM DEPOSIT1 D2 GROUP BY D2.BNAME);
```

Output

### 6.Count the number of depositors living in NAGPUR.

select count(deposit1.cname)from deposit1,CUSTOMER where CUSTOMER.CITY='nagpur';

#### OUTPUT



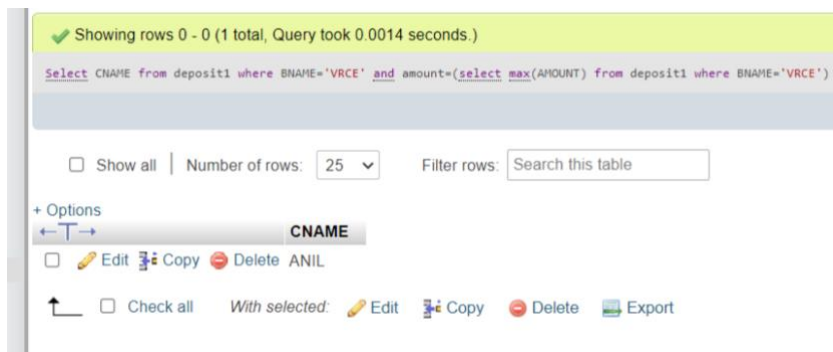
The screenshot shows a database interface with a green status bar at the top indicating 'Showing rows 0 - 0 (1 total, Query took 0.0020 seconds.)'. Below this, the SQL query is displayed: `select count(deposit1.cname)from deposit1,CUSTOMER where CUSTOMER.CITY='nagpur';`. The query results are shown in a table with one column, 'count(deposit1.cname)', and one row containing the value '18'. The interface includes a 'Show all' checkbox, a 'Number of rows' dropdown set to '25', and a 'Filter rows' search box.

count(deposit1.cname)
18

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

Select CNAME from deposit1 where BNAME='VRCE' and amount=(select max(AMOUNT) from deposit1 where BNAME='VRCE');

#### OUTPUT



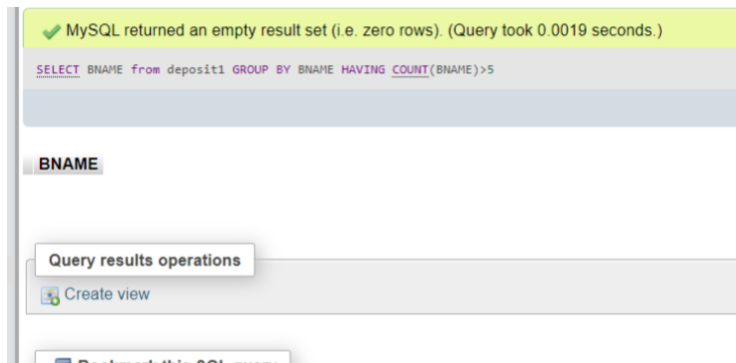
The screenshot shows a database interface with a green status bar at the top indicating 'Showing rows 0 - 0 (1 total, Query took 0.0014 seconds.)'. Below this, the SQL query is displayed: `Select CNAME from deposit1 where BNAME='VRCE' and amount=(select max(AMOUNT) from deposit1 where BNAME='VRCE');`. The query results are shown in a table with one column, 'CNAME', and one row containing the value 'ANIL'. The interface includes a 'Show all' checkbox, a 'Number of rows' dropdown set to '25', and a 'Filter rows' search box. Below the table, there are options to 'Edit', 'Copy', and 'Delete' the selected row.

CNAME
ANIL

### 8.Give the names of branch where number of depositors is more than 5

SELECT BNAME from deposit1 GROUP BY BNAME HAVING COUNT(BNAME)>5;

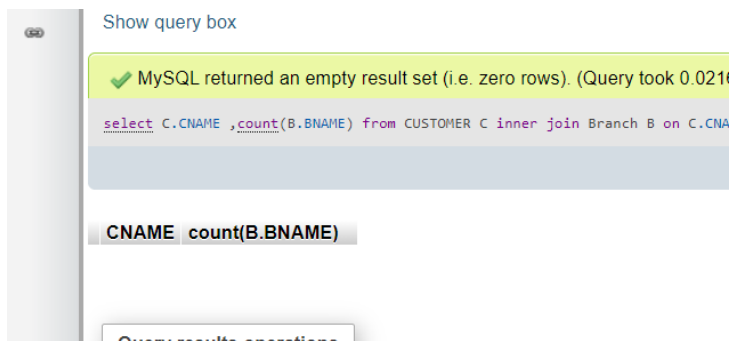
#### OUTPUT



### 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;

#### OUTPUT



### 10. Count the number of customers living in the city where branch is located

select count(b1.bname) From deposit1 d1 , borrow b1 , customer c1 Where c1.cname=d1.cname  
and d1.cname=b1.cname and c1.city in (select city from customer);

#### OUTPUT

✓ Showing rows 0 - 0 (1 total, Query took 0.0156 seconds.)

```
select count(b1.bname) From deposit1 d1 , borrow b1 , customer c1 Where c1.cname=d1.cname and d1.cn
```

☐ Show all | Number of rows: 25  Filter rows:

+ Options

**count(b1.bname)**

2

☐ Show all | Number of rows: 25  Filter rows: