20MCA134-ADVANCED DBMS LAB

LAB-QUESTIONS(Practice)

SUBMITTED BY,

VIVIN V. ABRAHAM

R MCA-2020-S2

ROLL NO : 42

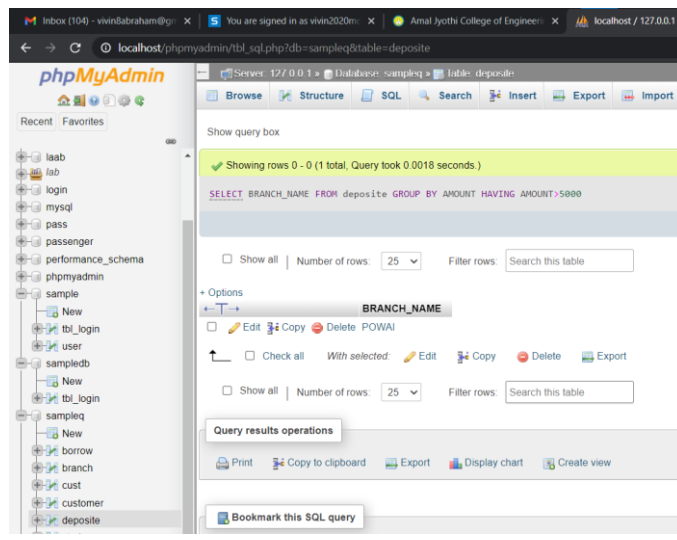SUBMITTED TO ,

LISHA MISS

EXPERIMENT NO.8 :   24/05/2021
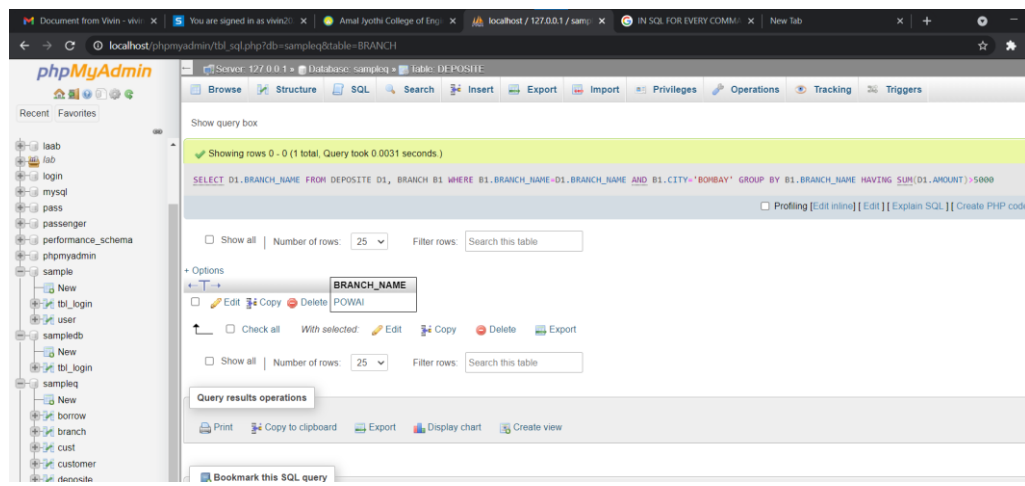
GROUP BY AND HAVING

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

   ### QUERY

   ```
   SELECT BRANCH_NAME FROM deposite GROUP BY AMOUNT HAVING AMOUNT>5000
   ```

   ### OUTPUT

2. List the branches having sum of deposit more than 5000 and located in city BOMBAY

   ### QUERY

   ```
   SELECT D1.BRANCH_NAME FROM DEPOSITE D1, BRANCH B1 WHERE B1.BRANCH_N
   AME=D1.BRANCH_NAME AND B1.CITY='BOMBAY' GROUP BY B1.BRANCH_NAME HAV
   ING SUM(D1.AMOUNT)>5000
   ```
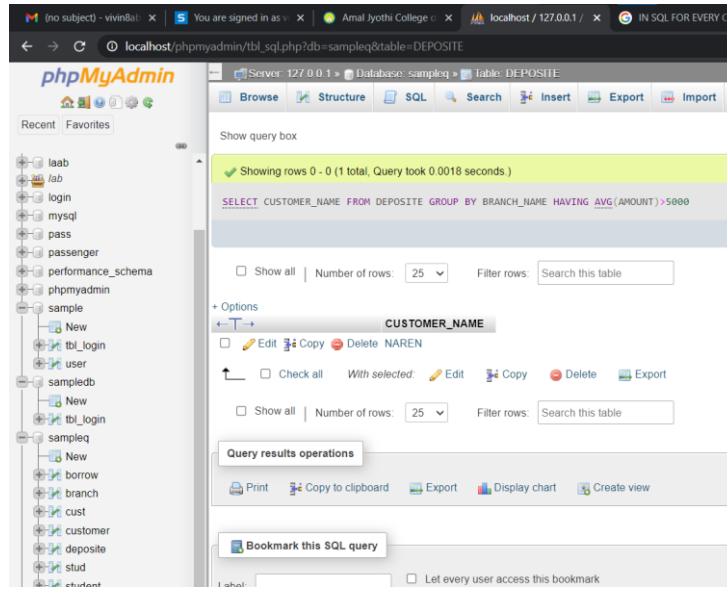
   ### OUTPUT

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

QUERY

```
SELECT CUSTOMER_NAME FROM DEPOSITE GROUP BY BRANCH_NAME HAVING AVG(
AMOUNT)>5000
```
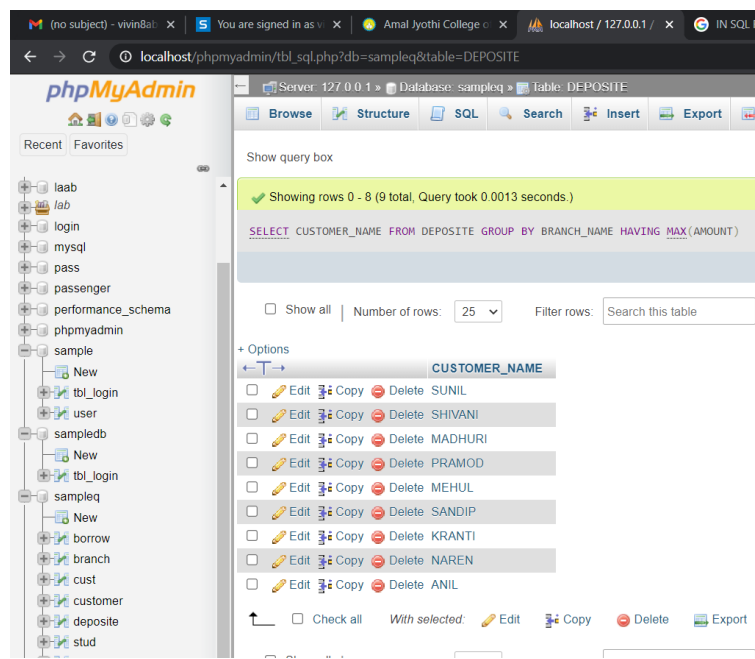
OUTPUT

4. List the names of customers having maximum deposit

QUERY

```
SELECT CUSTOMER_NAME FROM DEPOSITE GROUP BY BRANCH_NAME HAVING MAX(AM
OUNT)
```
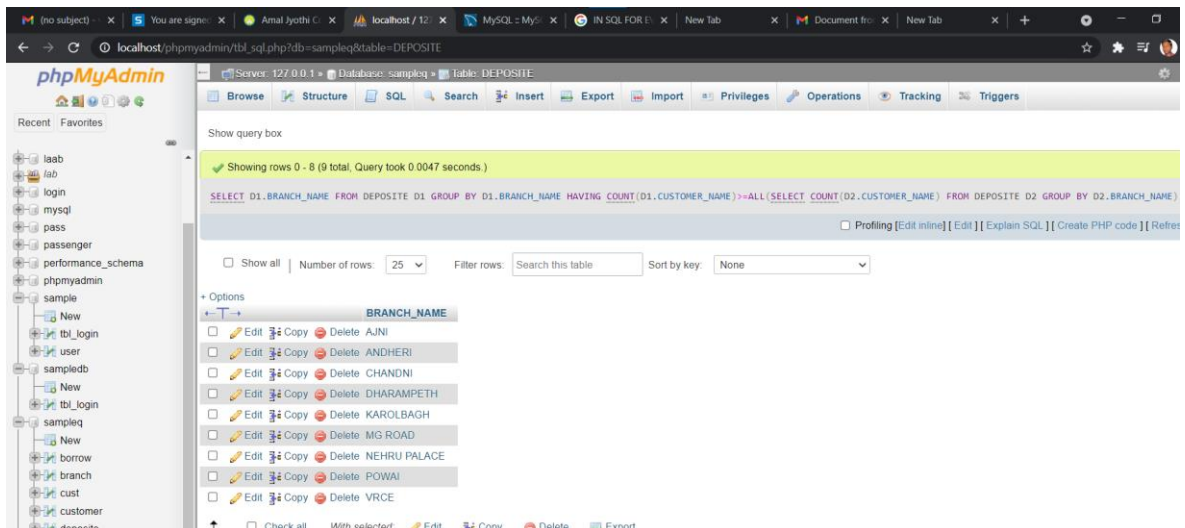
OUTPUT

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

QUERY

```sql
SELECT D1.BRANCH_NAME FROM DEPOSITE D1 GROUP BY D1.BRANCH_NAME HAVING
COUNT(D1.CUSTOMER_NAME)>=ALL(SELECT COUNT(D2.CUSTOMER_NAME) FROM DEPO
SITE D2 GROUP BY D2.BRANCH_NAME)
```
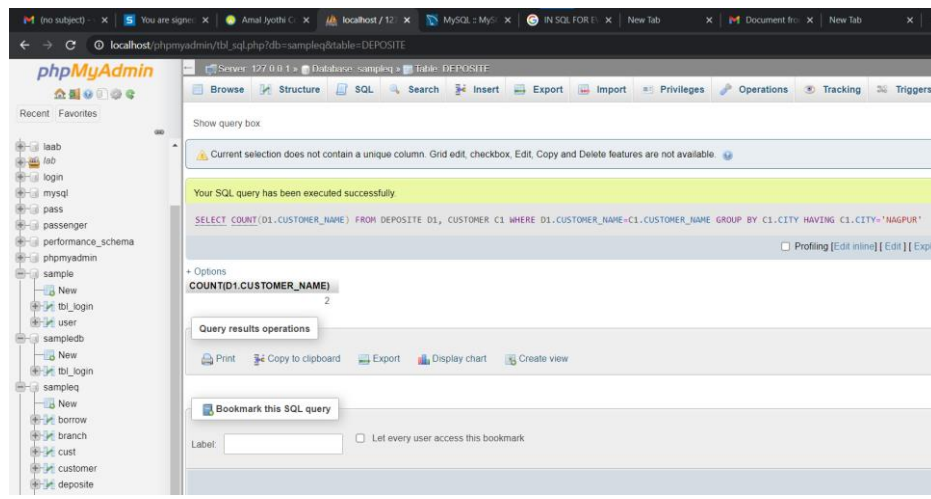
OUTPUT

6. Count the number of depositors living in NAGPUR.

QUERY

```sql
SELECT COUNT(D1.CUSTOMER_NAME) FROM DEPOSITE D1, CUSTOMER C1 WHERE
D1.CUSTOMER_NAME=C1.CUSTOMER_NAME GROUP BY C1.CITY HAVING C1.CITY='
NAGPUR'
```
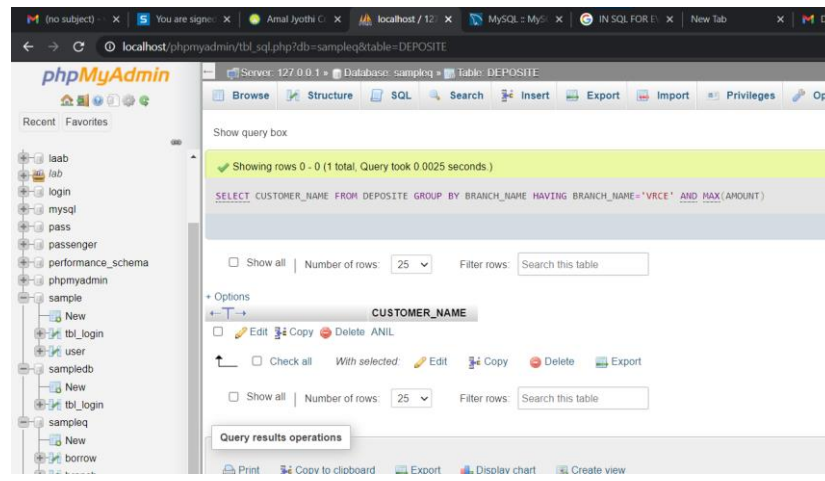
OUTPUT

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

QUERY

```
SELECT CUSTOMER_NAME FROM DEPOSITE GROUP BY BRANCH_NAME HAVING BRAN
CH_NAME='VRCE' AND MAX(AMOUNT)
```
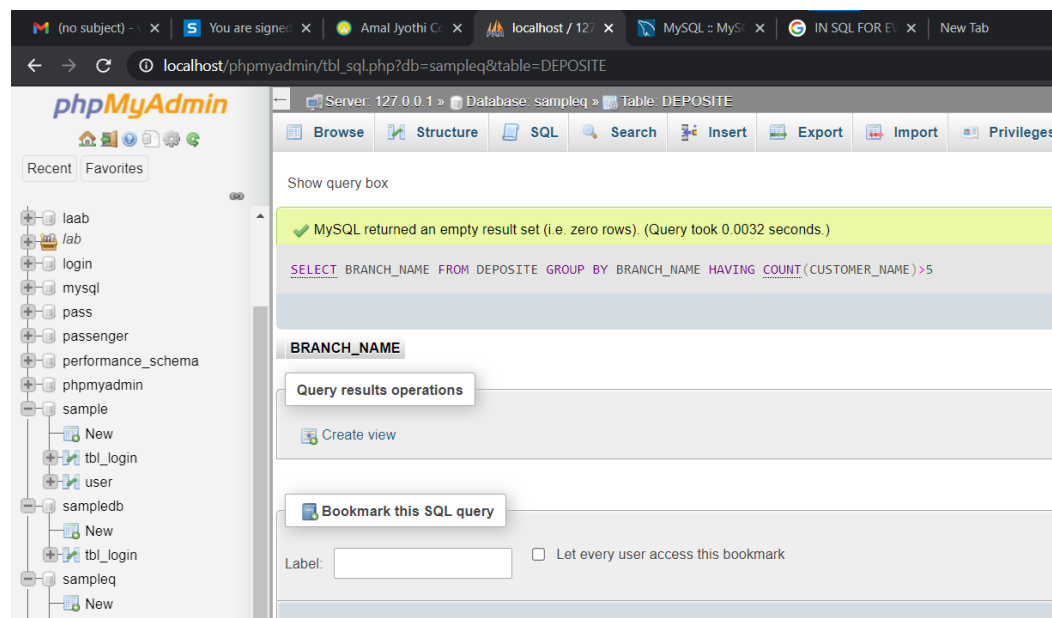
OUTPUT

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

QUERY

```
SELECT BRANCH_NAME FROM DEPOSITE GROUP BY BRANCH_NAME HAVING COUNT(
CUSTOMER_NAME)>5
```
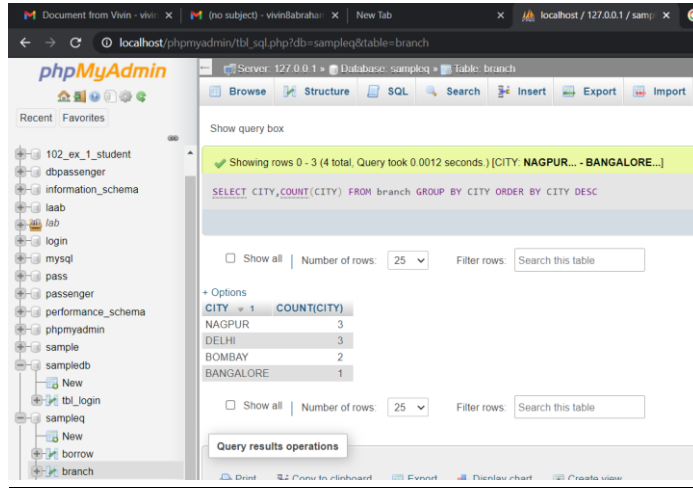
OUTPUT

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

QUERY

```sql
SELECT CITY,COUNT(CITY) FROM branch GROUP BY CITY ORDER BY CITY DESC
```

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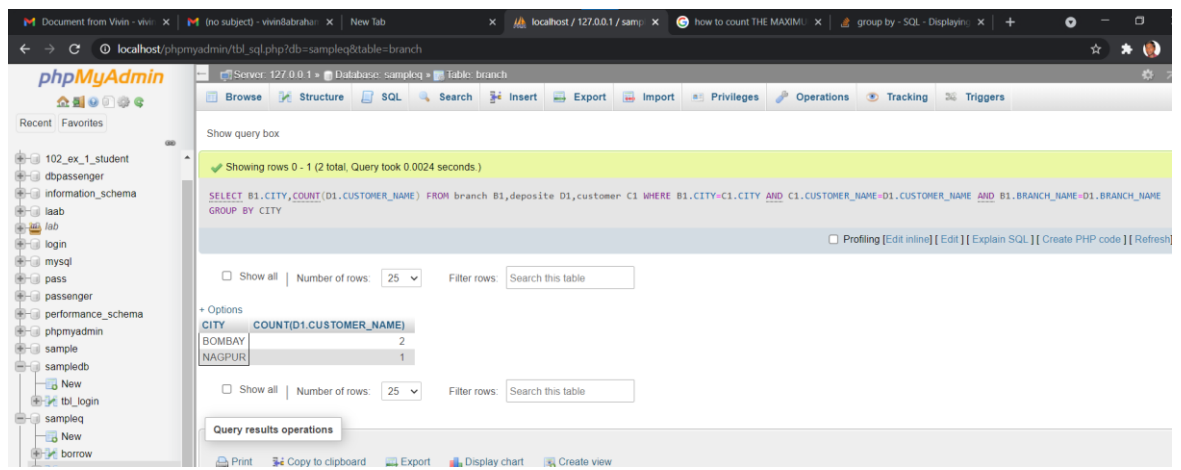
10. Count the number of customers living in the city where branch is located

QUERY

```sql
SELECT B1.CITY,COUNT(D1.CUSTOMER_NAME) FROM branch B1,deposite D1,customer C1 WHERE B1.CITY=C1.CITY AND C1.CUSTOMER_NAME=D1.CUSTOMER_NAME AND B1.BRANCH_NAME=D1.BRANCH_NAME GROUP BY CITY
```

OUTPUT