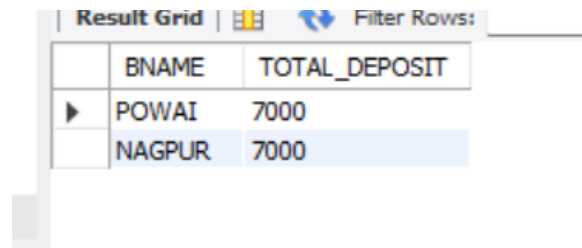


EXPERIMENT 7

To familiarize with Group by and Having clause

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

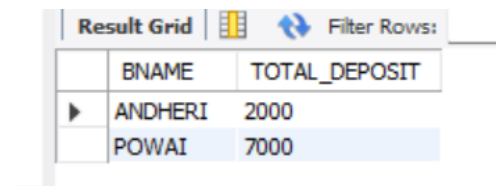
```
SELECT BNAME, SUM(AMOUNT) AS TOTAL_DEPOSIT
FROM DEPOSITE
GROUP BY BNAME
HAVING SUM(AMOUNT) > 5000;
```



	BNAME	TOTAL_DEPOSIT
▶	POWAI	7000
	NAGPUR	7000

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

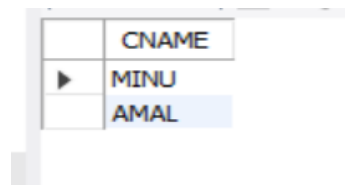
```
SELECT BNAME, SUM(AMOUNT) AS TOTAL_DEPOSIT
FROM DEPOSITE
WHERE BNAME IN (
SELECT BNAME FROM BRANCH WHERE CITY = 'BOMBAY'
)
GROUP BY BNAME
HAVING SUM(AMOUNT) > 500;
```



	BNAME	TOTAL_DEPOSIT
▶	ANDHERI	2000
	POWAI	7000

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

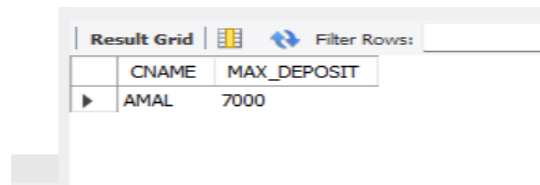
```
SELECT DISTINCT CNAME
FROM DEPOSITE
WHERE BNAME IN (
SELECT BNAME FROM DEPOSITE
GROUP BY BNAME
HAVING AVG(AMOUNT) > 5000
);
```



	CNAME
▶	MINU
	AMAL

4. List the names of customers having maximum deposit

```
SELECT CNAME, MAX(AMOUNT) AS MAX_DEPOSIT
FROM DEPOSITE
GROUP BY CNAME
ORDER BY MAX_DEPOSIT DESC
LIMIT 1;
```



Result Grid		Filter Rows:
	CNAME	MAX_DEPOSIT
▶	AMAL	7000

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

```
SELECT BNAME, COUNT(DISTINCT CNAME) AS NUM_DEPOSITORS
FROM DEPOSITE
GROUP BY BNAME
ORDER BY NUM_DEPOSITORS DESC
LIMIT 1;
```

	BNAME	NUM_DEPOSITORS
▶	ANDHERI	1

6.Count the number of depositors living in NAGPUR.

```
SELECT COUNT(DISTINCT CNAME) AS NUM_DEPOSITORS
FROM DEPOSITE
WHERE BNAME IN (
SELECT BNAME FROM BRANCH WHERE CITY = 'NAGPUR'
);
```

	NUM_DEPOSITORS
▶	1

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

```
SELECT CNAME
FROM DEPOSITE
WHERE BNAME = 'VRCE'
AND AMOUNT = (
SELECT MAX(AMOUNT) FROM DEPOSITE WHERE BNAME = 'VRCE'
);
```

	CNAME
▶	ANIL

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

```

SELECT BNAME
FROM DEPOSITE
GROUP BY BNAME
HAVING COUNT(DISTINCT CNAME) > 5;

```

BNAME

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

```

SELECT CITY, COUNT(*) AS NUM_BRANCHES
FROM BRANCH
GROUP BY CITY
HAVING COUNT(*) = (
SELECT MAX(NUM_BRANCHES) FROM (
SELECT COUNT(*) AS NUM_BRANCHES
FROM BRANCH
GROUP BY CITY
) AS TEMP
);

```

Result Grid			Filter Rows:
	CITY	NUM_BRANCHES	
▶	NAGPUR	3	
	DELHI	3	

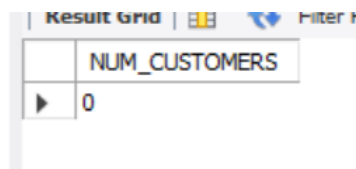
10. Count the number of customers living in the city where branch is located

```

SELECT COUNT(DISTINCT CNAME) AS NUM_CUSTOMERS
FROM DEPOSITE
WHERE BNAME IN (

```

```
SELECT BNAME FROM BRANCH WHERE CITY = 'CITY_NAME'  
);
```



NUM_CUSTOMERS
0

STORED PROCEDURE

DELIMITER //

CREATE PROCEDURE get_CUSTOMER()

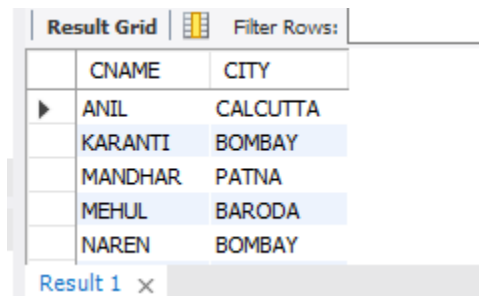
BEGIN

SELECT * FROM CUSTOMER;

END //

DELIMITER ;

call get_CUSTOMER ;



CNAME	CITY
ANIL	CALCUTTA
KARANTI	BOMBAY
MANDHAR	PATNA
MEHUL	BARODA
NAREN	BOMBAY

Result 1 ×