Experiment - 5

Aim:

Write the DML commands for implementing GROUP BY, HAVING and ORDER BY.

GROUP BY and HAVING:

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

```
MariaDB [BANK]> SELECT BNAME FROM DEPOSIT WHERE BNAME IN (SELECT BNAME FROM BRANCH WHERE CITY = "BOMBAY") GROUP BY BNAME HAVING SUM(AMOUNT) > 5000;
+----+
| BNAME |
+----+
| POWAI |
+----+
```

Query-2: List the branches having a sum of deposit more than 5000 and located in city Bombay.

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

Query-4: List the names of customers having maximum deposit.

```
MariaDB [BANK]> SELECT BNAME FROM DEPOSIT GROUP BY BNAME HAVING COUNT(DISTINCT CNAME) =
  (SELECT MAX(DepositorsCount) FROM (SELECT COUNT(DISTINCT CNAME) AS DepositorsCount FRO
M DEPOSIT GROUP BY BNAME) AS Subquery);
+-----+
| BNAME |
+-----+
| VIRAR |
+-----+
```

Query-5: List the names of customers having maximum deposit in the customers living in Nagpur.

Query-6: List the name of branches having highest number of depositors.

MariaDB [BANK] > SELECT BNAME FROM DEPOSIT GROUP BY BNAME HAVING COUNT(CNAME) > 5; Empty set (0.001 sec)

Query-7: Count the number of depositors living in Nagpur.

MariaDB [BANK]> SELECT CNAME,AMOUNT FROM DEPOSIT WHERE BNAME = "VRCE" GROUP BY CNAME HA
VING AMOUNT > ALL (SELECT AMOUNT FROM DEPOSIT WHERE BNAME = "VRCE");
Empty set (0.001 sec)

Query-8: Give names of customers in VRCE branch having more deposit than all customers from same branch.

| DELHI | 3 | | | NAGPUR | 3 | | |

Query-9: Give name of branch where number of depositors is more than five.

MariaDB [BANK]> SELECT CNAME, AMOUNT FROM DEPOSIT WHERE AMOUNT = (SELECT MAX(AMOUNT) FROM DEPOSIT);
+----++---+
| CNAME | AMOUNT |
+----++---+
| ANIL | 21000 |
+-----+

Query-10: Give names of cities in which the maximum number of branches are located.

MariaDB [BANK]> SELECT CNAME, AMOUNT FROM DEPOSIT WHERE AMOUNT = (SELECT MAX(AMOUNT) FROM DEPOSIT WHERE CNAME IN (SELECT CNAME FROM CUSTOMERS WHERE CITY = "NAGPUR")); +----++---+

771		AMOUNT	- 13
- 50	- 50	21000	- 33
+	 +		-+

ORDER BY:

Query-1: List the branches according to their deposit amount in ascending order.

Query-2: List the customers according to their loan amount in descending order.

MariaDB [BANK] > SELECT CNAME, AMOUNT FROM BORROW GROUP BY CNAME ORDER BY AMOUNT DESC;

	++				
CNAME	AMOUNT				
	·				
PRAMOD	8000				
MEHUL	5000				
KRANTI	3600				
SUNIL	3000				
MADHURI	2000				
ANIL	1000				
	++				