ADVANCED DBMS LAB

Experiment No.: 7

Name: Swetha Prakash

Roll No: 46

Batch: B

Date: 06-05-2022

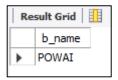
AIM

To familiarize with Group by and Having clause.

COMMANDS AND OUTPUT

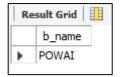
1. List the branches having sum of deposit more than 5000.

SELECT D.b_name FROM DEPOSIT D, BRANCH B WHERE D.b_name=B.b_name AND B.city='BOMBAY' GROUP BY D.b_name HAVING SUM(D.amount)>5000;



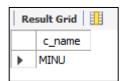
2. List the branches having sum of deposit more than 500 and located in city BOMBAY.

SELECT D.b_name FROM DEPOSIT D, BRANCH B WHERE D.b_name=B.b_name GROUP BY D.b_name HAVING SUM(D.amount)>5000;



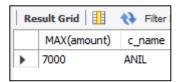
3. List the names of customers having deposited in the branches where the average deposit is more than 5000.

SELECT c_name from deposit where amount=(select AVG(amount) from DEPOSIT GROUP BY b_name having AVG(amount)>5000)



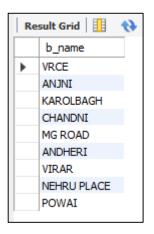
4. List the names of customers having maximum deposit.

SELECT MAX(amount),c_name FROM deposit;



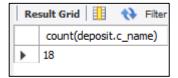
5. List the name of branch having highest number of depositors.

SELECT D1.b_name FROM DEPOSIT D1 GROUP BY D1.b_name HAVING COUNT(D1.c_name) >= ALL (SELECT COUNT(D2.c_name) FROM DEPOSIT D2 GROUP BY D2.b_name);



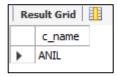
6. Count the number of depositors living in NAGPUR.

SELECT count(deposit.c_name)from deposit,CUSTOMER where CUSTOMER.city='nagpur';



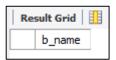
7. Give names of customers in VRCE branch having more deposit than any other customer in same branch.

SELECT c_name from deposit where b_name='VRCE' and amount=(select max(amount) from deposit where b_name='VRCE');



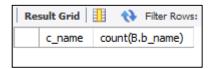
8. Give the names of branch where number of depositors is more than 5.

SELECT b_name from deposit GROUP BY b_name HAVING COUNT(b_name)>5;



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

SELECT C.c_name ,count(B.b_name) from CUSTOMER C inner join Branch B on C.c_name=B.b_name group by C.c_name order by count(B.b_name) DESC;



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

SELECT count(b1.b_name) From deposit d1, borrow b1, customer c1 Where c1.c_name=d1.c_name and d1.c_name=b1.c_name and c1.city in (select city from customer);

