**Name: Susan Sebastian**

**Roll No: 45**

**Batch: B**

**Date: 06-05-2022**

**ADVANCED DBMS LAB**

**Experiment No.: 7**

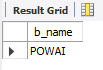
**AIM**

To familiarize with Group by and Having clause.

**COMMANDS AND OUTPUT**

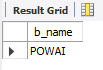
1. **List the branches having sum of deposit more than 5000.**

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;

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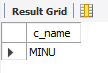
1. **List the branches having sum of deposit more than 500 and located in city BOMBAY.**

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;

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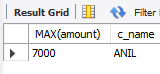
1. **List the names of customers having deposited in the branches where the average deposit is more than 5000.**

SELECT c\_name from deposit where amount=(select AVG(amount) from DEPOSIT GROUP BY b\_name having AVG(amount)>5000)

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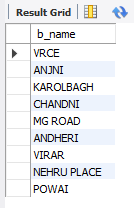
1. **List the names of customers having maximum deposit.**

SELECT MAX(amount),c\_name FROM deposit;



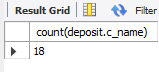
1. **List the name of branch having highest number of depositors.**

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);

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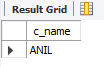
1. **Count the number of depositors living in NAGPUR.**

SELECT count(deposit.c\_name)from deposit,CUSTOMER where CUSTOMER.city='nagpur';

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1. **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');

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1. **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;

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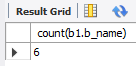
1. **Give the names of cities in which the maximum number of branches are located.**

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;

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1. **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);

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