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| **Name :** Susan Sebastian  **Roll No** : 45  **Batch :** B  **Date:** 19-04-2022 |

**ADVANCED DBMS LAB**

**Experiment No.: 4**

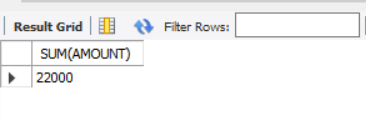
**Aim**

To familiarize with aggregate functions

**Commands**

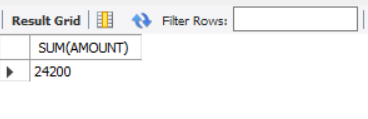
1. **List total loan.**

SELECT SUM(amount) FROM borrow;



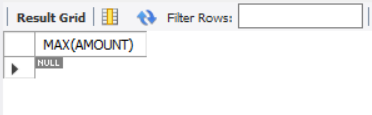
1. **List total deposit.**

SELECT SUM(amount) FROM deposit;

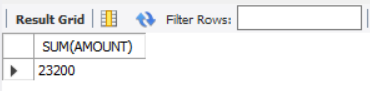


1. **List total loan taken from KAROLBAGH branch.**

SELECT MAX(amount) FROM borrow WHERE b\_name ='KAROLBAGH';

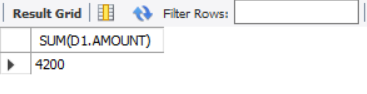


1. **List total deposit of customers having account date later than 1-Jan-96.**  SELECT SUM(amount) FROM deposit WHERE a\_date>'1995-03-01';



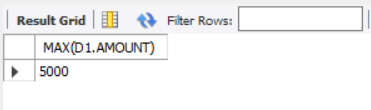
1. **List total deposit of customers living in city NAGPUR.**

SELECT SUM(D1.amount) FROM deposit D1 , customer C1 WHERE C1.CITY = 'NAGPUR' AND C1.c\_name = D1.c\_name;



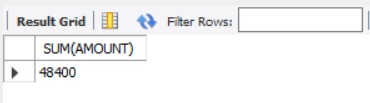
1. **List maximum deposit of customer living in Bombay.**

SELECT MAX(D1.amount) FROM deposit D1 , customer C1 WHERE C1.CITY = 'Bombay' AND C1.c\_name = D1.c\_name;



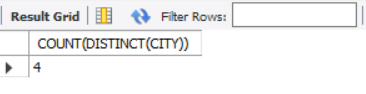
1. **List total deposit of customer having branch in BOMBAY.**

SELECT SUM(amount) FROM deposit, branch where city='BOMBAY';



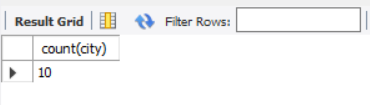
1. **Count total number of branch cities.**

SELECT COUNT(DISTINCT(CITY)) FROM branch ;



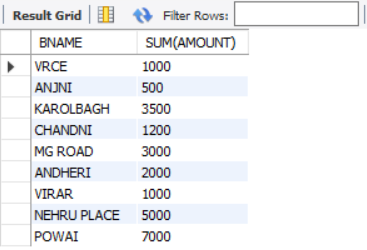
1. **Count total number of customers cities.**

SELECT count(city) FROM customer;



1. **Give branch names and branch wise deposit.**

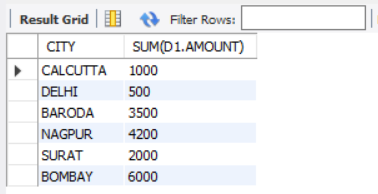
SELECT b\_name, SUM(amount) FROM DEPOSIT GROUP BY b\_name;



1. **Give city wise name and branch wise deposit.**

SELECT C1.CITY, SUM(D1.amount) FROM customer C1, DEPOSIT D1

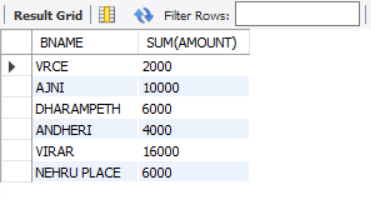
WHERE D1.c\_name = C1.c\_name GROUP BY C1.city;



1. **Give the branch wise loan of customer living in NAGPUR.**

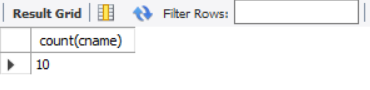
SELECT b\_name, SUM(amount) FROM borrow,customer WHERE city

='NAGPUR' GROUP BY b\_name;



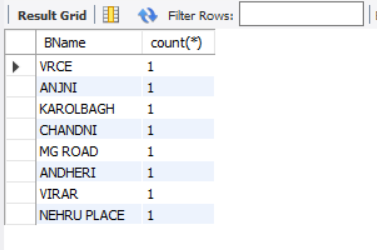
1. **Count total number of customers.**

SELECT count(c\_name) FROM customer;



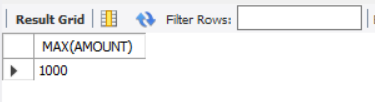
1. **Count total number of depositors branch wise.**

SELECT b\_name, count(\*) FROM deposit, customer WHERE deposit.c\_name = customer.c\_name GROUP BY b\_name;



1. **Give maximum loan from branch VRCE.**

SELECT MAX(amount) FROM borrow WHERE b\_name ='VRCE';



1. **Give the number of customers who are depositors as well as borrowers.**

SELECT count(DISTINCT (c\_name)) FROM customer WHERE c\_name in ((SELECT c\_name deposite)IN (SELECT c\_name FROM borrow));

