ADVANCED DATABASE MANAGEMENT STYSTEM LAB

Name: Manya Madhu

Roll No:17

Batch: S2 RMCA B

Date: 19/04/2022

Experiment No.: 4

Aim

To familiarize with aggregate functions.

Questions

1. List total loan

2. List total deposit

3. List total loan taken from KAROLBAGH branch

4. List total deposit of customers having account date later than 1-Jan-96

5. List total deposit of customers living in city NAGPUR

6. List maximum deposit of customer living in Bombay

7. List total deposit of customer having branch in BOMBAY

8. Count total number of branch cities

9. Count total number of customers cities

10. Give branch names and branch wise deposit

11. Give city wise name and branch wise deposit

12. Give the branch wise loan of customer living in NAGPUR

13. Count total number of customers

14. Count total number of depositors branch wise

15. Give maximum loan from branch VRCE

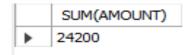16. Give the number of customers who are depositors as well as borrowers

Procedure

1.
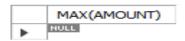
  SELECT SUM(AMOUNT) FROM BORROW;

SUM(AMOUNT)
▶	22000

2.

  SELECT SUM(AMOUNT) FROM DEPOSIT;

SUM(AMOUNT)
▶	24200

3.

 SELECT MAX(AMOUNT) FROM BORROW WHEREBNAME='KAROLBAGH';

MAX(AMOUNT)
▶	NULL

4.

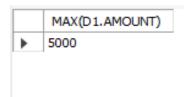SELECT SUM(AMOUNT) FROM DEPOSIT WHERE ADATE>'1995-03-01';

SUM(AMOUNT)
▶	23200

5.

SELECT SUM(D1.AMOUNT) FROM DEPOSIT D1 , CUSTOMER C1 WHERE
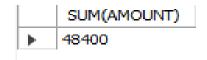C1.CITY = 'NAGPUR' AND C1.CNAME = D1.CNAME;

SUM(D1.AMOUNT)
▶	4200

6.

SELECT MAX(D1.AMOUNT) FROM DEPOSIT D1 , CUSTOMER C1 WHERE
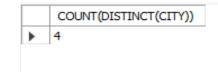C1.CITY = 'BOMBAY' AND C1.CNAME = D1.CNAME;

MAX(D1.AMOUNT)
▶	5000

7.
SELECT SUM(AMOUNT) FROM DEPOSIT,BRANCH WHERE CITY='BOMBAY';

SUM(AMOUNT)
48400

8.
SELECT COUNT(DISTINCT(CITY)) FROM BRANCH ;

COUNT(DISTINCT(CITY))
4

9.
SELECT COUNT(CITY) FROM CUSTOMER;

COUNT(CITY)
10

10.
SELECT BNAME , SUM(AMOUNT) FROM DEPOSIT GROUP BY BNAME;

BNAME	SUM(AMOUNT)
VRCE	1000
ANJNI	500
KAROLBAGH	3500
CHANDNI	1200
MG ROAD	3000
ANDHERI	2000
VINSERTIRAR	1000
NEHRU PLACE	5000
POWAI	7000

11.
SELECT C1.CITY , SUM(D1.AMOUNT) FROM CUSTOMER C1 , DEPOSIT D1
WHERE D1.CNAME = C1.CNAME GROUP BY C1.CITY;

CITY	SUM(D1.AMOUNT)
CALCUTTA	1000
DELHI	500
BARODA	3500
NAGPUR	4200
SURAT	2000
BOMBAY	6000

12.

 SELECT BNAME , SUM(AMOUNT) FROM BORROW,CUSTOMER WHERE city
='NAGPUR' GROUP BY BNAME;

BNAME	SUM(AMOUNT
VRCE	2000
AJNI	10000
DHARAMPETH	6000
ANDHERI	4000
VIRAR	16000
NEHRU PLACE	6000

13.

SELECT COUNT(CNAME) FROM CUSTOMER;

COUNT(CNAME)
10

14.

SELECT BNAME, COUNT(*) FROM DEPOSIT, CUSTOMER WHERE
DEPOSIT.CNAME = CUSTOMER.CNAME GROUP BY BNAME;

BNAME	COUNT(*)
VRCE	1
ANJNI	1
KAROLBAGH	1
CHANDNI	1
MG ROAD	1
ANDHERI	1
VINSERTIRAR	1
NEHRU PLACE	1

15.

SELECT MAX(AMOUNT) FROM BORROW WHERE BNAME ='VRCE';

MAX(AMOUNT)
1000

16.

SELECT COUNT(DISTINCT (CNAME)) FROM CUSTOMER WHERE CNAME   IN
((SELECT CNAME DEPOSIT) IN (SELECT CNAME FROM BORROW));

COUNT(DISTINCT (CNAME))
4