ADVANCED DBMS LAB

Experiment No.: 4

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Roll No: 54

Batch: B

Date: 19 -04 -2022

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. Count total number of depositors branch wise

16. Give maximum loan from branch VRCE

17. Give the number of customers who are depositors as well as
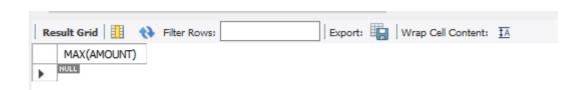
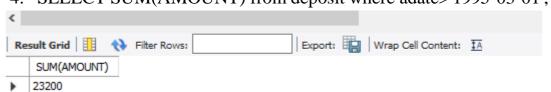   Borrowers

PROCEDURE

1. SELECT SUM(AMOUNT) FROM BORROW;

SUM(AMOUNT)
17000

2. SELECT SUM(AMOUNT)FROM DEPOSIT;

SUM(AMOUNT)
24200

3. SELECT MAX(AMOUNT) FROM BORROW WHERE BNAME ='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;
   23

SUM(D1.AMOUNT)
4200

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

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{I}A$

MAX(D1.AMOUNT)
5000

7. SELECT SUM(AMOUNT) from deposit,BRANCH where city='BOMBAY';

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{I}A$

SUM(AMOUNT)
48400

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

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{I}A$

COUNT(DISTINCT(CITY))
3

9. SELECT COUNT(CITY) FROM CUSTOMER;

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{I}A$

count(CITY)
12

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

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{I}A$

BNAME	SUM(AMOUNT)
VRCE	1000
ANJNI	500
KAROLBAGH	3500
CHANDNI	1200
MG ROAD	3000
ANDHERI	2000
VIRAR	1000
NAHRU PALACE	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	4000
DHARMAPETH	12000
ANDHERI	8000
VIRAR	32000
NEHRU PALACE	12000

13. SELECT COUNT(CNAME) FROM CUSTOMER;

count(cname)
12

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
VIRAR	1
NAHRU PALACE	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 DEPOSITE) IN (SELECT CNAME FROM BORROW));

count(distinct (CNAME))
7