

## **EXPERIMENT NO. 4**

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**Roll No:29**

**Batch: RMCA(B)**

**Date:19/04/2022**

### **AIM**

To familiarize with aggregate functions

### **QUESTION**

- 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)
▶	22000

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;

	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
	VIRAR	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)
▶	BARODA	3500
	BOMBAY	6000
	CALCUTTA	1000
	DELHI	500
	NAGPUR	4200
	SURAT	2000

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
	VIRAR	1
	NEHRU PLACE	1

15. 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
	NEHRU PLACE	1

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

	MAX(AMOUNT)
▶	1000

17. SELECT COUNT(DISTINCT(B1.CNAME)) FROM BORROW B1, DEPOSIT D1 WHERE B1.CNAME IN (SELECT CNAME FROM DEPOSIT);

	count(distinct(b1.cname))
▶	5