EXPERIMENT NO. 4

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Roll No:29

Batch: RMCA(B)

Date:19/04/2022

AIM

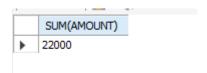
To familiarize with aggregate functions

QUESTION

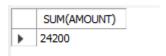
- 1.List total loan
- 2.List total deposit
- 3.List total loan taken from KAROLBAGH branch
- 4.List total deposit of customers having account date later than 1-Jan-96
- 5.List total deposit of customers living in city NAGPUR
- 6.List maximum deposit of customer living in Bombay
- 7.List total deposit 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

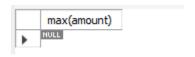
1. SELECT SUM(AMOUNT) FROM BORROW;



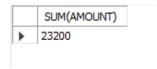
2. SELECT SUM(AMOUNT) FROM DEPOSIT;



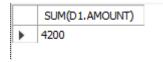
3. SELECT MAX(AMOUNT) FROM BORROW WHERE BNAME ='KAROLBAGH';



4. SELECT SUM(AMOUNT) from deposit where adate>'1995-03-01';



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



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

)
▶ 5000	

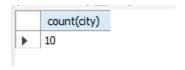
7. SELECT SUM(AMOUNT) from deposit, BRANCH where city='BOMBAY';

	SUM(AMOUNT)
•	48400

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

	count(distinct(city))
•	4

9. SELECT count(city) from CUSTOMER;



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;

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

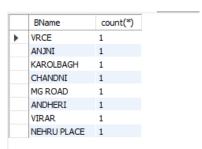
12. SELECT BNAME, SUM(AMOUNT) FROM BORROW, CUSTOMER WHERE city ='NAGPUR' GROUP BY BNAME;

	bname	sum(amount)
•	VRCE	2000
	AJNI	10000
	DHARAMPETH	6000
	ANDHERI	4000
	VIRAR	16000
	NEHRU PLACE	6000

13. SELECT count(cname) from CUSTOMER;



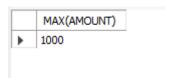
14. select BName, count(*) from DEPOSIT, CUSTOMER where deposit.CNAME = CUSTOMER.CNAME group by BNAME;



15. select BName, count(*) from DEPOSIT, CUSTOMER where deposit.CNAME = CUSTOMER.CNAME group by BNAME;

VRCE 1 ANJNI 1 KAROLBAGH 1 CHANDNI 1 MG ROAD 1
KAROLBAGH 1 CHANDNI 1
CHANDNI 1
MG ROAD 1
ANDHERI 1
VIRAR 1
NEHRU PLACE 1

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



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

