EXPERIMENT NO: 4

Name: RITTYMARIYA K R

Roll No: 28

Batch: MCA B

Date: 19-04-2022
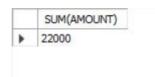
AIM:

To familiarize with aggregate functions

QUESTION:
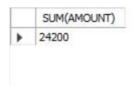
1.List total loan

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
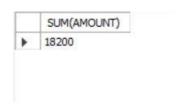
PROCEDURE:

1. SELECT SUM(AMOUNT) FROM BORROW;

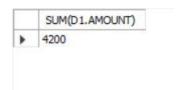 | | SUM(AMOUNT) |
    |---|---|
    | ▶ | 22000 |

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';

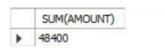 | | SUM(AMOUNT) |
    |---|---|
    | ▶ | 18200 |

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)
▶	12

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

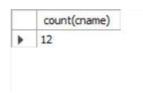|	BNAME	SUM(AMOUNT)
▶	VRCE	1000
	ANJNI	500
	KAROLBAGH	3500
	CHANDNI	1200
	MG ROAD	3000
	ANDHERI	2000
	VIRAR	1000
	NEHRU PLACE	5000
	POWAI	7000

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)
▶ CULCUTTA	1000
DELHI	500
BARODA	3500
NAGPUR	4200
SURAT	2000
BOMBAY	1000

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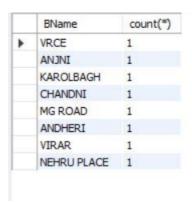   city ='NAGPUR' GROUP BY BNAME;

BNAME	SUM(AMOUNT)
▶ VRCE	4000
AJNI	20000
DHARAMPETH	12000
ANDHERI	8000
VIRAR	32000
NEHRU PLACE	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
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