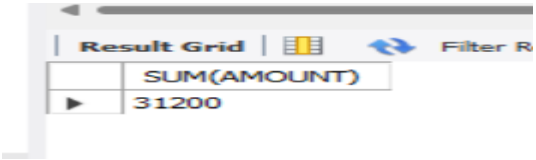
EXPERIMENT 5

To familiarize with aggregate functions

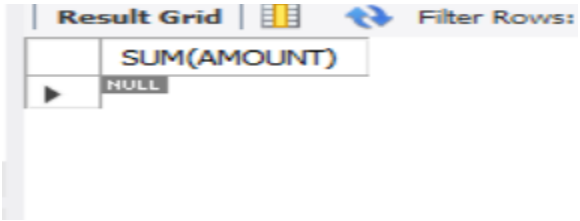
2. List of total deposit

SELECT SUM(AMOUNT) FROM DEPOSITE;



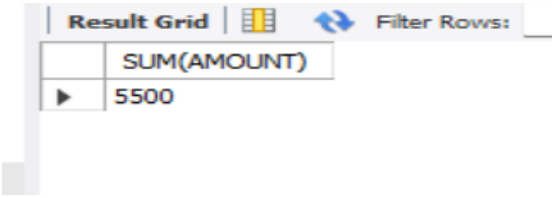
3. List total loan taken from KAROLBAGH branch

SELECT SUM(AMOUNT) FROM BORROW WHERE BNAME = 'KAROLBAGH';



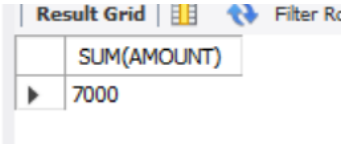
4. List total deposit of customers having account date later than 1-Jan-96

SELECT SUM(AMOUNT) FROM DEPOSITE WHERE ADATE > '1996-01-01';



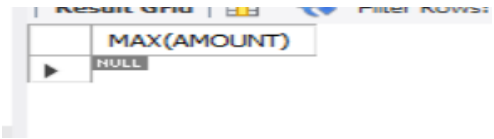
5.List total deposit of customers living in city NAGPUR

SELECT SUM(AMOUNT) FROM DEPOSITE D, CUSTOMER C WHERE D.CNAME = C.CNAME AND C.CITY = 'NAGPUR';



6.List maximum deposit of customer living in Bombay

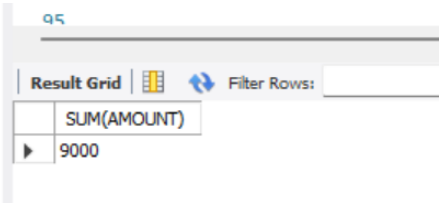
SELECT MAX(AMOUNT) FROM DEPOSITE D, CUSTOMER C WHERE D.CNAME = C.CNAME AND C.CITY = 'BOMBAY';



MAX(AMOUNT)
NULL

7.List total deposit of customer having branch in BOMBAY

SELECT SUM(AMOUNT) FROM DEPOSITE D, BRANCH B WHERE D.BNAME = B.BNAME AND B.CITY = 'BOMBAY';

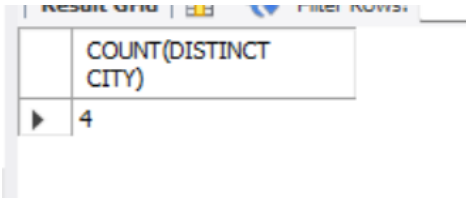


Result Grid | Filter Rows:

SUM(AMOUNT)
9000

8.Count total number of branch cities

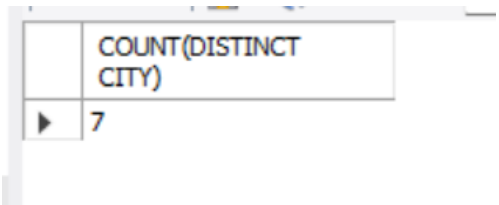
SELECT COUNT(DISTINCT CITY) FROM BRANCH;



COUNT(DISTINCT CITY)
4

9.Count total number of customers cities

SELECT COUNT(DISTINCT CITY) FROM CUSTOMER;

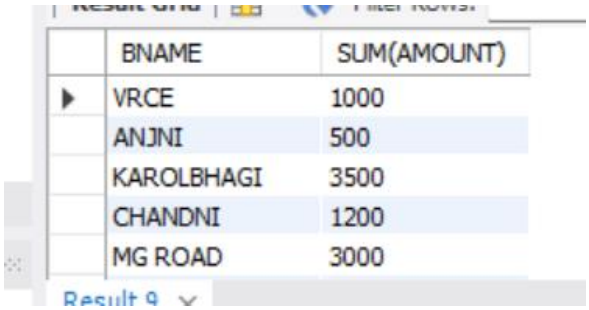


COUNT(DISTINCT CITY)
7

10.Give branch names and branch

wise deposit

SELECT BNAME, SUM(AMOUNT) FROM DEPOSITE GROUP BY BNAME;



BNAME	SUM(AMOUNT)
VRCE	1000
ANJNI	500
KAROLBHAGI	3500
CHANDNI	1200
MG ROAD	3000

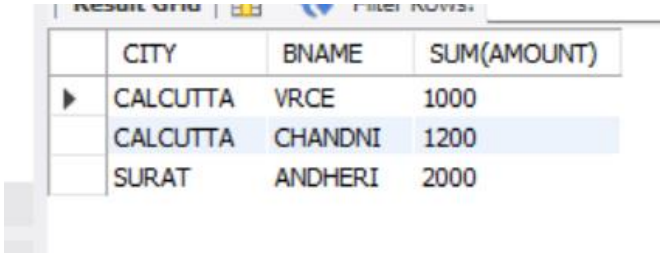
Result 9

11.Give city wise name and branch

wise deposit

SELECT C.CITY, B.BNAME, SUM(AMOUNT) FROM DEPOSITE D, CUSTOMER C, BRANCH B

WHERE D.CNAME = C.CNAME AND D.BNAME = B.BNAME GROUP BY C.CITY, B.BNAME;



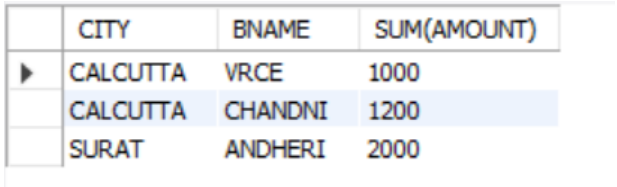
CITY	BNAME	SUM(AMOUNT)
CALCUTTA	VRCE	1000
CALCUTTA	CHANDNI	1200
SURAT	ANDHERI	2000

12.Give the branch wise loan of customer living in

NAGPUR

SELECT BNAME, SUM(AMOUNT) FROM BORROW WHERE CNAME IN

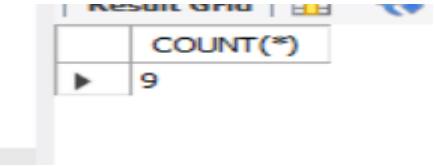
(SELECT CNAME FROM CUSTOMER WHERE CITY = 'NAGPUR') GROUP BY BNAME;



CITY	BNAME	SUM(AMOUNT)
CALCUTTA	VRCE	1000
CALCUTTA	CHANDNI	1200
SURAT	ANDHERI	2000

13.Count total number of customers

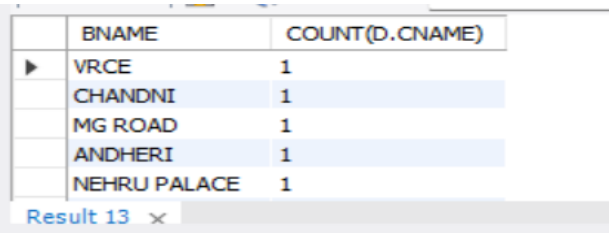
SELECT COUNT(*) FROM CUSTOMER;



	COUNT(*)
▶	9

14.Count total number of depositors branch wise

SELECT B.BNAME, COUNT(D.CNAME) FROM DEPOSITE D, BRANCH B
WHERE D.BNAME = B.BNAME GROUP BY B.BNAME;

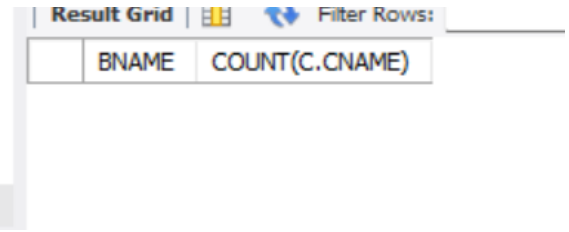


	BNAME	COUNT(D.CNAME)
▶	VRCE	1
	CHANDNI	1
	MG ROAD	1
	ANDHERI	1
	NEHRU PALACE	1

Result 13 ×

15.Count total number of depositors branch wise

SELECT B.BNAME, COUNT(C.CNAME) FROM BORROW B, CUSTOMER C
WHERE B.CNAME = C.CNAME GROUP BY B.BNAME;

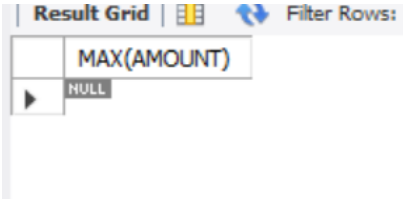


Result Grid | Filter Rows:

	BNAME	COUNT(C.CNAME)

16.Give maximum loan from branch VRCE

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



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

SELECT COUNT(*) FROM (SELECT CNAME FROM DEPOSITE

INTERSECT SELECT CNAME FROM BORROW) AS A;