/\*EXPERIMENT NO.5 : AGGREGATE FUNCTIONS\*/

/\*1.List total loan\*/

SELECT SUM (AMOUNT) FROM BORROW;

/\*2.List total deposit\*/

SELECT SUM (AMOUNT) FROM DEPOSIT;

/\*3.List total loan taken from KAROLBAGH branch\*/

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

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

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

/\* 5.List total deposit of customers living in city NAGPUR\*/

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

/\*6.List maximum deposit of customer living in Bombay\*/

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

/\* 7.List total deposit of customer having branch in BOMBAY\*/

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

/\* 8.Count total number of branch cities\*/

SELECT COUNT(DISTINCT (CITY)) FROM BRANCH ;

/\*9.Count total number of customers cities\*/

SELECT count(city) from CUSTOMER;

/\* 10.Give branch names and branch wise deposit\*/

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

/\*11.Give city wise name and branch wise deposit\*/

SELECT C1.CITY , SUM(D1.AMOUNT) FROM CUSTOMER C1 , DEPOSIT D1 WHERE D1.CNAME = C1.CNAME GROUP BY C1.CITY;

/\*12.Give the branch wise loan of customer living in NAGPUR\*/

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

/\*13.Count total number of customers\*/

SELECT count(cname) from CUSTOMER;

/\*14.Count total number of depositors branch wise\*/

SELECT BName, count (\*)from DEPOSIT, CUSTOMER where deposit.CNAME = CUSTOMER.CNAME group by BNAME

/\*15.Count total number of depositors branch wise\*/

SELECT BName, count (\*)from DEPOSIT, CUSTOMER where deposit.CNAME = CUSTOMER.CNAME group by BNAME

/\*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(DISTINCT (CNAME)) FROM CUSTOMER WHERE CNAME IN ((SELECT CNAME FROM DEPOSIT) INTERSECT (SELECT CNAME FROM BORROW));