**Name:**

**Roll no:**

**Class: RMCA-B**

**Experiment No: 1 & 2**

**Aim:**

**Create the following Tables**

DEPOSIT

ACTNO VARCHAR2(5) PRIMARY KEY , FIRST LETTER MUST START WITH ‘D’

CNAME VARCHAR2(15) FOREIGN KEY REFERENCES CUSTOMER

BNAME VARCHAR2(20) FOREIGN KEY REFERENCES BRANCH

AMOUNT NUMBER(8,2) NOT NULL, CANNOT BE 0

ADATE DATE

BRANCH

BNAME VARCHAR2(20) PRIMARY KEY

CITY VARCHAR2(30) NOT NULL , any one of NAGPUR, DELHI, BANGALORE, BOMBAY

CUSTOMER

CNAME VARCHAR2(15) PRIMARY KEY

CITY VARCHAR2(20) NOT NULL ,

BORROW

LOANNO VARCHAR2(8) PRIMARY KEY / FIRST LETTER MUST START WITH ‘L’

CNAME VARCHAR2(15) FOREIGN KEY REFERENCES CUSTOMER

BNAME VARCHAR2(20) FOREIGN KEY REFERENCES BRANCH

AMOUNT NUMBER(8,2) NOT NULL, CANNOT BE 0

**INSERTION OF VALUES**

**1. Inserting values to Branch**

VRCE NAGPUR

AJNI NAGPUR

KAROLBAGH DELHI

CHANDNI DELHI

DHARAMPETH NAGPUR

MG ROAD BANGALORE

ANDHERI BOMBAY

NEHRU PALACE DELHI

POWAI BOMBAY

**2. Inserting values into Customer table**

ANIL CALCUTTA

SUNIL DELHI

MEHUL BARODA

MANDAR PATNA

MADHURI NAGPUR

PRAMOD NAGPUR

SANDIP SURAT

SHIVANI BOMBAY

KRANTI BOMBAY

NAREN BOMBAY

**3. Inserting values into Deposite table**

**DEPOSITE**

Actno Cname Bname Amount Adate

D100 ANIL VRCE 1000.00 1-MAR-95

D101 SUNIL ANJNI 500.00 4-JAN-96

D102 MEHUL KAROLBAGH 3500.00 17-NOV-95

D104 MADHURI CHANDNI 1200.00 17-DEC-95

D105 PRAMOD MG ROAD 3000.00 27-MAR-96

D106 SANDIP ANDHERI 2000.00 31-MAR-96

D107 SHIVANI VIRAR 1000.00 5-SEP-95

D108 KRANTI NEHRU PLACE 5000.00 2-JUL-95

D109 MINU POWAI 7000.00 10-AUG-95

**4. Inserting values into borrow table**

L201 ANIL VRCE 1000.00

L206 MEHUL AJNI 5000.00

L311 SUNIL DHARAMPETH 3000.00

L321 MADHURI ANDHERI 2000.00

L371 PRAMOD VIRAR 8000.00

L481 KRANTI NEHRU PLACE 3000.00

**EXPERIMENT NO. 2: SELECTING DATA FROM SINGLE TABLE**

1. List all data from table deposite

2. List all data from borrow

3. List all data from customer

4. List all data from branch

5. Give account no and amount of deposite

6. Give customer name and account no of depositors

7. Give name of customers

8. Give name of branches

9. Give name of borrows

10. Give names of customer living in city Nagpur

11. Give names of depositors having amount greater than 4000

12. Give account date of Anil

13. Give name of all branches located in Bombay

14. Give name of borrower having loan number l205

15. Give names of depositors having account at VRCE

16. Give names of all branched located in city Delhi

17. Give name of the customers who opened account date ‘1-12-96’

18. Give account no and deposit amount of customers having account opened between dates ‘1-12-96’ and ‘1-5-96’

19. Give name of the city where branch KAROLBAGH is located

20. Give details of customer ANIL

**SQL Commands:**

CREATE TABLE CUSTOMER (CNAME VARCHAR(15) PRIMARY KEY ,CITY VARCHAR(20) NOT NULL );

CREATE TABLE BRANCH (BNAME VARCHAR(20) PRIMARY KEY,CITY VARCHAR(30) CHECK (CITY IN ('NAGPUR','DELHI','BANGALORE','BOMBAY')) NOT NULL);

CREATE TABLE BORROW (LOANNO VARCHAR(8) CHECK (LOANNO LIKE 'L%') PRIMARY KEY,CNAME VARCHAR(15) REFERENCES CUSTOMER(CNAME) ,BNAME VARCHAR(20) REFERENCES BRANCH(BNAME),AMOUNT FLOAT(8) CHECK (AMOUNT>0) NOT NULL);

CREATE TABLE DEPOSIT (ACTNO VARCHAR(5) CHECK (ACTNO LIKE 'D%') PRIMARY KEY ,CNAME VARCHAR(15) REFERENCES CUSTOMER(CNAME) ,BNAME VARCHAR(20) REFERENCES BRANCH(BNAME),AMOUNT FLOAT(8) CHECK (AMOUNT>0) NOT NULL, ADATE DATE);

INSERT INTO CUSTOMER VALUES('ANIL','CALCUTTA');

INSERT INTO CUSTOMER VALUES('SUNIL','DELHI');

INSERT INTO CUSTOMER VALUES('MEHUL','BARODA');

INSERT INTO CUSTOMER VALUES('MANDAR','PATNA');

INSERT INTO CUSTOMER VALUES('MADHURI','NAGPUR');

INSERT INTO CUSTOMER VALUES('PRAMOD', 'NAGPUR');

INSERT INTO CUSTOMER VALUES('SANDIP','SURAT');

INSERT INTO CUSTOMER VALUES('SHIVANI','BOMBAY');

INSERT INTO CUSTOMER VALUES('KRANTI','BOMBAY');

INSERT INTO CUSTOMER VALUES('NAREN','BOMBAY');

INSERT INTO BRANCH VALUES('VRCE','NAGPUR');

INSERT INTO BRANCH VALUES('AJNI','NAGPUR');

INSERT INTO BRANCH VALUES('KAROLBAGH','DELHI');

INSERT INTO BRANCH VALUES('CHANDNI','DELHI');

INSERT INTO BRANCH VALUES('DHARAMPETH','NAGPUR');

INSERT INTO BRANCH VALUES('MG ROAD','BANGALORE');

INSERT INTO BRANCH VALUES('ANDHERI','BOMBAY');

INSERT INTO BRANCH VALUES('NEHRU PALACE','DELHI');

INSERT INTO BRANCH VALUES('POWAI','BOMBAY');

INSERT INTO DEPOSIT VALUES('D100','ANIL','VRCE', 1000.00,'1-MAR-95');

INSERT INTO DEPOSIT VALUES('D101','SUNIL','ANJNI',500.00,'4-JAN-96');

INSERT INTO DEPOSIT VALUES('D102','MEHUL','KAROLBAGH',3500.00,'17-NOV-95');

INSERT INTO DEPOSIT VALUES('D104','MADHURI','CHANDNI',1200.00,'17-DEC-95');

INSERT INTO DEPOSIT VALUES('D105','PRAMOD','MG ROAD',3000.00,'27-MAR-96');

INSERT INTO DEPOSIT VALUES('D106','SANDIP','ANDHERI',2000.00,'31-MAR-96');

INSERT INTO DEPOSIT VALUES('D107','SHIVANI','VIRAR',1000.00,'5-SEP-95');

INSERT INTO DEPOSIT VALUES('D108','KRANTI','NEHRU PLACE',5000.00,'2-JUL-95');

INSERT INTO DEPOSIT VALUES('D109','MINU','POWAI',7000.00,'10-AUG-95');

INSERT INTO BORROW VALUES('L201','ANIL','VRCE', 1000.00);

INSERT INTO BORROW VALUES('L206','MEHUL','AJNI',5000.00);

INSERT INTO BORROW VALUES('L311','SUNIL','DHARAMPETH',3000.00);

INSERT INTO BORROW VALUES('L321','MADHURI','ANDHERI',2000.00);

INSERT INTO BORROW VALUES('L371','PRAMOD','VIRAR',8000.00);

INSERT INTO BORROW VALUES('L481','KRANTI','NEHRU PLACE',3000.00);

SELECT\*FROM DEPOSIT;

SELECT\*FROM BORROW;

SELECT\*FROM CUSTOMER;

SELECT\*FROM BRANCH;

SELECT ACTNO,AMOUNT FROM DEPOSIT;

SELECT CNAME,ACTNO FROM DEPOSIT;

SELECT CNAME FROM CUSTOMER;

SELECT BNAME FROM BRANCH;

SELECT CNAME FROM BORROW;

SELECT CNAME FROM CUSTOMER WHERE CITY='NAGPUR';

SELECT CNAME from DEPOSIT where AMOUNT>4000;

SELECT ADATE FROM DEPOSIT where CNAME='ANIL';

SELECT BNAME from BRANCH where CITY='Bombay';

SELECT \* from BORROW;

SELECT CNAME from BORROW where LOANNO='L205';

SELECT CNAME from DEPOSIT WHERE BNAME='VRCE';

SELECT BNAME from BRANCH WHERE CITY='Delhi';

SELECT CNAME from DEPOSIT WHERE ADATE='1996-12-1';

SELECT ACTNO,AMOUNT from DEPOSIT WHERE ADATE BETWEEN '1996-12-1' AND '1996-05-1';

SELECT CITY from BRANCH WHERE BNAME='KAROLBAGH';

SELECT \* from customer join borrow on customer.cname=borrow.cname join deposit on deposit.cname=borrow.cname WHERE customer.cname='ANIL';

**OUTPUT:**

