

EXPERIMENT 1,2:

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(8,2) 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(8,2) 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 DEPOSIT VALUES ('D100','ANIL','VRCE',1000.00,'1995-03-01');

INSERT INTO DEPOSIT VALUES ('D101','SUNIL','ANJNI',500.00,'1996-01-04');

INSERT INTO DEPOSIT VALUES ('D102','MEHUL','KAROLBAGH',3500.00,'1995-11-17');

INSERT INTO DEPOSIT VALUES ('D104','MADHURI','CHANDNI',1200.00,'1995-12-17');

INSERT INTO DEPOSIT VALUES ('D105','PRAMOD','MG ROAD',3000.00,'1996-03-27');

INSERT INTO DEPOSIT VALUES ('D106','SANDIP','ANDHERI',2000.00,'1996-03-31');

INSERT INTO DEPOSIT VALUES ('D107','SHIVANI','VIRAR',1000.00,'1995-09-05');

INSERT INTO DEPOSIT VALUES ('D108','KRANTI','NEHRU PLACE 50',5000.00,'1995-07-05');

INSERT INTO DEPOSIT VALUES ('D109','MINU','WAI',7000.00,'1995-08-01');

```
INSERT INTO BRANCH(BNAME,CITY) VALUES ('VRCE','NAGPUR');  
INSERT INTO BRANCH(BNAME,CITY) VALUES ('AJNI','NAGPUR');  
INSERT INTO BRANCH(BNAME,CITY) VALUES ('KAROLBAGH','DELHI');  
INSERT INTO BRANCH(BNAME,CITY) VALUES ('CHANDNI','DELHI');  
INSERT INTO BRANCH(BNAME,CITY) VALUES ('DHARAMPETH','NAGPUR');  
INSERT INTO BRANCH(BNAME,CITY) VALUES ('MG-ROAD','BANGALORE');  
INSERT INTO BRANCH(BNAME,CITY) VALUES ('ANDHERI','BOMBAY');  
INSERT INTO BRANCH(BNAME,CITY) VALUES ('NEHRU-PALACE','DELHI');  
INSERT INTO BRANCH(BNAME,CITY) VALUES ('POWAI','BOMBAY');
```

```
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');
```

OUTPUT :

1. SELECT * FROM DEPOSIT;

```
mysql> select * from DEPOSIT;
```

ACTNO	CNAME	BNAME	AMOUNT	ADATE
D100	ANIL	VRCE	1000.00	1995-03-01
D101	SUNIL	ANJNI	500.00	1996-01-04
D102	MEHUL	KAROLBAGH	3500.00	1995-11-17
D104	MADHURI	CHANDNI	1200.00	1995-12-17
D105	PRAMOD	MG ROAD	3000.00	1996-03-27
D106	SANDIP	ANDHERI	2000.00	1996-03-31
D107	SHIVANI	VIRAR	1000.00	1995-09-05
D108	KRANTI	NEHRU PLACE 50	5000.00	1995-07-05
D109	MINU	WAI	7000.00	1995-08-01

9 rows in set (0.00 sec)

2. SELECT * FROM BORROW;

```
mysql> select * from BORROW;
```

LOANNO	CNAME	BNAME	AMOUNT
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

6 rows in set (0.00 sec)

3. SELECT * FROM CUSTOMER;

```
mysql> select * from CUSTOMER
-> ;
```

CNAME	CITY
ANIL	CALCUTTA
KRANTI	BOMBAY
MADHURI	NAGPUR
MANDAR	PATNA
MEHUL	BARODA
NAREN	BOMBAY
PRAMOD	NAGPUR
SANDIP	SURAT
SHIVANI	BOMBAY
SUNIL	DELHI

10 rows in set (0.00 sec)

4. SELECT * FROM BRANCH;

```
mysql> select * from BRANCH;
+-----+-----+
| BNAME | CITY |
+-----+-----+
| AJNI  | NAGPUR |
| ANDHERI | BOMBAY |
| CHANDNI | DELHI |
| DHARAMPETH | NAGPUR |
| KAROLBAGH | DELHI |
| MG-ROAD | BANGALORE |
| NEHRU-PALACE | DELHI |
| POWAI | BOMBAY |
| VRCE | NAGPUR |
+-----+-----+
9 rows in set (0.00 sec)
```

5. SELECT ACTNO,AMOUNT FROM DEPOSIT;

```
mysql> SELECT ACTNO,AMOUNT FROM DEPOSIT;
+-----+-----+
| ACTNO | AMOUNT |
+-----+-----+
| D100 | 1000.00 |
| D101 | 500.00 |
| D102 | 3500.00 |
| D104 | 1200.00 |
| D105 | 3000.00 |
| D106 | 2000.00 |
| D107 | 1000.00 |
| D108 | 5000.00 |
| D109 | 7000.00 |
+-----+-----+
9 rows in set (0.00 sec)
```

6. SELECT CNAME,ACTNO FROM DEPOSIT;

```
mysql> SELECT CNAME,ACTNO FROM DEPOSIT;
+-----+-----+
| CNAME | ACTNO |
+-----+-----+
| ANIL | D100 |
| SUNIL | D101 |
| MEHUL | D102 |
| MADHURI | D104 |
| PRAMOD | D105 |
| SANDIP | D106 |
| SHIVANI | D107 |
| KRANTI | D108 |
| MINU | D109 |
+-----+-----+
9 rows in set (0.00 sec)
```

7. SELECT CNAME FROM CUSTOMER;

```
mysql> SELECT CNAME FROM CUSTOMER;
```

CNAME
ANIL
KRANTI
MADHURI
MANDAR
MEHUL
NAREN
PRAMOD
SANDIP
SHIVANI
SUNIL

```
10 rows in set (0.00 sec)
```

8. SELECT BNAME FROM BRANCH;

```
mysql> SELECT BNAME FROM BRANCH;
```

BNAME
AJNI
ANDHERI
CHANDNI
DHARAMPETH
KAROLBAGH
MG-ROAD
NEHRU-PALACE
POWAI
VRCE

```
9 rows in set (0.00 sec)
```

9. SELECT CNAME FROM BORROW;

```
mysql> SELECT CNAME FROM BORROW;
```

CNAME
ANIL
MEHUL
SUNIL
MADHURI
PRAMOD
KRANTI

```
6 rows in set (0.00 sec)
```

10. SELECT CNAME FROM CUSTOMER WHERE CITY='NAGPUR';

```
mysql> SELECT CNAME FROM CUSTOMER WHERE CITY='NAGPUR';
```

CNAME
MADHURI
PRAMOD

```
2 rows in set (0.00 sec)
```

11. SELECT CNAME FROM DEPOSIT WHERE AMOUNT > 4000;

```
mysql> SELECT CNAME FROM DEPOSIT WHERE AMOUNT > 4000;
+-----+
| CNAME |
+-----+
| KRANTI |
| MINU  |
+-----+
2 rows in set (0.00 sec)
```

12. SELECT ADATE FROM DEPOSIT WHERE CNAME='ANIL';

```
mysql> SELECT ADATE FROM DEPOSIT WHERE CNAME='ANIL';
+-----+
| ADATE |
+-----+
| 1995-03-01 |
+-----+
1 row in set (0.00 sec)
```

13. SELECT BNAME FROM BRANCH WHERE CITY='BOMBAY';

```
mysql> SELECT BNAME FROM BRANCH WHERE CITY='BOMBAY';
+-----+
| BNAME |
+-----+
| ANDHERI |
| POWAI  |
+-----+
2 rows in set (0.00 sec)
```

14. SELECT CNAME FROM BORROW WHERE LOANNO='L201';

```
mysql> SELECT CNAME FROM BORROW WHERE LOANNO='L201';
+-----+
| CNAME |
+-----+
| ANIL  |
+-----+
1 row in set (0.01 sec)
```

15. SELECT CNAME FROM DEPOSIT WHERE BNAME='VRCE';

```
mysql> SELECT CNAME FROM DEPOSIT WHERE BNAME='VRCE';
+-----+
| CNAME |
+-----+
| ANIL  |
+-----+
1 row in set (0.00 sec)
```

16. SELECT BNAME FROM BRANCH WHERE CITY='DELHI';

```
mysql> SELECT BNAME FROM BRANCH WHERE CITY='DELHI';
+-----+
| BNAME |
+-----+
| CHANDNI |
| KAROLBAGH |
| NEHRU-PALACE |
+-----+
3 rows in set (0.00 sec)
```

17. SELECT CNAME FROM DEPOSIT WHERE ADATE='1995-12-17';

```
mysql> SELECT CNAME FROM DEPOSIT WHERE ADATE='1995-12-17';
+-----+
| CNAME |
+-----+
| MADHURI |
+-----+
1 row in set (0.00 sec)

mysql> _
```

18. SELECT ACTNO,AMOUNT FROM DEPOSIT WHERE ADATE >='1995-12-01' AND ADATE <='1996-05-01';

```
mysql> SELECT ACTNO,AMOUNT FROM DEPOSIT WHERE ADATE >='1995-12-01' AND ADATE<='1996-05-01';
+-----+-----+
| ACTNO | AMOUNT |
+-----+-----+
| D101 | 500.00 |
| D104 | 1200.00 |
| D105 | 3000.00 |
| D106 | 2000.00 |
+-----+-----+
4 rows in set (0.00 sec)
```

19. SELECT CITY FROM BRANCH WHERE BNAME='KAROLBAGH';

```
mysql> SELECT CITY FROM BRANCH WHERE BNAME='KAROLBAGH';
+-----+
| CITY |
+-----+
| DELHI |
+-----+
1 row in set (0.00 sec)
```

20. SELECT D.ACTNO,D.CNAME,D.BNAME,D.AMOUNT,B.LOANNO,B.AMOUNT FROM DEPOSIT D,BORROW B WHERE B.CNAME='ANIL' AND D.CNAME='ANIL';

```
mysql> SELECT D.ACTNO,D.CNAME,D.BNAME,D.AMOUNT,B.LOANNO,B.AMOUNT FROM DEPOSIT D,BORROW B WHERE D.CNAME='ANIL'AND B.CNAME='ANIL';
+-----+-----+-----+-----+-----+-----+
| ACTNO | CNAME | BNAME | AMOUNT | LOANNO | AMOUNT |
+-----+-----+-----+-----+-----+-----+
| D100  | ANIL  | VRCE  | 1000.00 | L201   | 1000.00 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```