

ADBMS LAB

Submitted To
Merin Manoj

Submitted By
Amal Vijayan
Roll No: 10
MCA A

Experiment No: 2 & 3

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

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

```
CREATE TABLE DEPOSIT(ACTNO VARCHAR(5) PRIMARY KEY CHECK (ACTNO LIKE 'D%'), CNAME  
VARCHAR(15),FOREIGN KEY (CNAME) REFERENCES CUSTOMER(CNAME),  
BNAME VARCHAR(20),FOREIGN KEY (BNAME) REFERENCES BRANCH  
(BNAME), AMOUNT NUMERIC(8,2)NOT NULL CHECK (AMOUNT >0), ADATE  
DATE);
```

```
CREATE TABLE BORROW(LOANNO VARCHAR(8) PRIMARY KEY CHECK (LOANNO LIKE 'L%'), CNAME  
VARCHAR(15), FOREIGN KEY (CNAME) REFERENCES CUSTOMER(CNAME),  
BNAME VARCHAR(20), FOREIGN KEY (BNAME) REFERENCES  
BRANCH(BNAME), AMOUNT NUMERIC(8,2) NOT NULL CHECK (AMOUNT >0)  
);
```

Insertion Query

```
INSERT INTO CUSTOMER(CNAME, CITY) VALUES ('ANIL', 'CALCUTTA');
```

```
INSERT INTO CUSTOMER(CNAME, CITY) VALUES ('SUNIL', 'DELHI');
```

```
INSERT INTO CUSTOMER(CNAME, CITY) VALUES ('MEHUL', 'BARODA');
```

```
INSERT INTO CUSTOMER(CNAME, CITY) VALUES ('MANDAR', 'PATNA');
```

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

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

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

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

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

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

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 DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D100',  
                                'ANIL','VRCE',1000.00,'1-MAR-95');
```

```
INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D101',  
                                'SUNIL','ANJNI',500.00,'4-JAN-96');
```

```
INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D102',  
                                'MEHUL','KAROLBAGH',3500.00,'17-NOV-95');
```

```
INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D104',  
                                'MADHURI','CHANDNI',1200.00,'17-DEC-95');
```

```
INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D105', 'PRAMOD','MG  
                                ROAD',3000.00,'27-MAR-96');
```

```
INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D106',  
                                'SANDIP','ANDHERI',2000.00,'31-MAR-96');
```

```
INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D107',  
                                'SHIVANI','VIRAR',1000.00,'5-SEP-95');
```

```
INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D108', 'KRANTI','NEHRU  
                                PLACE',5000.00,'2-JUL-95');
```

```
INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D109',  
                                'MANDAR',,'POWAI',7000.00,'10-AUG-95');
```

```
INSERT INTO BORROW(LOANNO, CNAME, BNAME, AMOUNT) VALUES ('L201 ','ANIL ','VRCE ',1000.00  
                                );
```

```
INSERT INTO BORROW(LOANNO, CNAME, BNAME, AMOUNT) VALUES ('L206 ','MEHUL ','AJNI  
                                ',5000.00 );
```

```
INSERT INTO BORROW(LOANNO, CNAME, BNAME, AMOUNT) VALUES ('L311 ', 'SUNIL  
, 'DHARAMPETH ', 3000.00 );
```

```
INSERT INTO BORROW(LOANNO, CNAME, BNAME, AMOUNT) VALUES ('L321 ', 'MADHURI ', 'ANDHERI  
, 2000.00 );
```

```
INSERT INTO BORROW(LOANNO, CNAME, BNAME, AMOUNT) VALUES ('L371 ', 'PRAMOD ', 'POWAI  
, 8000.00 );
```

```
INSERT INTO BORROW(LOANNO, CNAME, BNAME, AMOUNT) VALUES ('L481 ', 'KRANTI ', 'NEHRU  
PLACE ', 3000.00 );
```

Selection query

```
select * from Deposit; select * from BORROW;
```

```
select * from CUSTOMER; select * from BRANCH;
```

```
select ACTNO, AMOUNT from Deposit;
```

```
select ACTNO, CNAME 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 CNAME from BORROW where LOANNO='L206';

select CNAME from Deposit where BNAME='VRCE';

select BNAME from BRANCH where CITY='DELHI';

select CNAME from Deposit where ADATE='1-12-96';

select ACTNO,AMOUNT from Deposit where ADATE between '1-12-95' and '1-5-96';

select CITY from BRANCH where BNAME='KAROLBAGH';select * from Deposit where CNAME='ANIL';