# ADVANCED DATABASE MANAGEMENT STYSTEM LAB

**Name: Manya Madhu**

**Roll No:17**

**Batch:B**

**Date:25/03/2022**

## Experiment No.: 1

## Aim

To study various DDL commands – CREATE

Create the following Tables and insert values.

Table 1: 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

Table 2: BRANCH

BNAME VARCHAR2(20) PRIMARY KEY

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

Table 3: CUSTOMER

CNAME VARCHAR2(15) PRIMARY KEY CITY
VARCHAR2(20) NOT NULL ,

Table 4: 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

## Procedure

**Create the following Tables**

**Table 1: DEPOSIT**

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);

**Table 2: BRANCH**

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

**Table 3: CUSTOMER**

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

**Table 4: BORROW**

```
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);
```

# Inserting data

**Table 1: DEPOSIT**

```
INSERT INTO DEPOSIT
VALUES('D100','ANIL','VRCE',1000.00,'2008-11-11');

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,'1995-06-05');

INSERT INTO DEPOSIT VALUES('D108','KRANTI','NEHRU PLACE',5000.00,'1995-07-
02');

INSERT INTO DEPOSIT
VALUES('D109','MINU','POWAI',7000.00,'1995-10-08');
```

**Table 2: BRANCH**

```
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');

**Table 3: CUSTOMER**

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');

**Table 4: BORROW**

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 Screenshot

SELECT * FROM DEPOSIT;

Result Grid | Filter Rows: | Edit:

| ACTNO | CNAME | BNAME | AMOUNT | ADATE |
|---|---|---|---|---|
| D100 | ANIL | VRCE | 1000 | 1995-03-01 |
| D101 | SUNIL | ANJNI | 500 | 1996-01-04 |
| D102 | MEHUL | KAROLBAGH | 3500 | 1995-11-17 |
| D104 | MADHURI | CHANDNI | 1200 | 1995-12-17 |
| D105 | PRAMOD | MG ROAD | 3000 | 1996-03-27 |
| D106 | SANDIP | ANDHERI | 2000 | 1996-03-31 |
| D107 | SHIVANI | VINSERTIRAR | 1000 | 1995-09-05 |
| D108 | KRANTI | NEHRU PLACE | 5000 | 1995-07-02 |
| D109 | MINU | POWAI | 7000 | 1995-07-10 |
| NULL | NULL | NULL | NULL | NULL |

deposit 1

SELECT * FROM BRANCH;

Result Grid | Filter Rows:

| BNAME | CITY |
|---|---|
| AJNI | NAGPUR |
| ANDHERI | BOMBAY |
| CHANDNI | DELHI |
| DHARAMPETH | NAGPUR |
| KAROLBAGH | DELHI |
| MG ROAD | BANGALORE |
| NEHRU PALACE | DELHI |
| POWAI | BOMBAY |
| VRCE | NAGPUR |
| NULL | NULL |

branch 1

SELECT * FROM CUSTOMER;

Result Grid Filter Rows:

| CNAME | CITY |
|---|---|
| KRANTI | BOMBAY |
| MADHURI | NAGPUR |
| MANDAR | PATNA |
| MEHUL | BARODA |
| NAREN | BOMBAY |
| PRAMOD | NAGPUR |
| SANDIP | SURAT |
| SHIVANI | BOMBAY |
| SUNIL | DELHI |
| NULL | NULL |

SELECT * FROM BORROW;

Result Grid Filter Rows: Edit:

| LOANNO | CNAME | BNAME | AMOUNT |
|---|---|---|---|
| L201 | ANIL | VRCE | 1000 |
| L206 | MEHUL | AJNI | 5000 |
| L311 | SUNIL | DHARAMPETH | 3000 |
| L321 | MADHURI | ANDHERI | 2000 |
| L371 | PRAMOD | VIRAR | 8000 |
| L481 | KRANTI | NEHRU PLACE | 3000 |
| NULL | NULL | NULL | NULL |