

**ADVANCED DTABASE MANAGEMENT SYSTEM LAB**

**Experiment No.: 1**

**Aim**

To study various DDL commands – CREATE ,INSERT

**Question**

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 database

CREATE DATABASE MY\_ACCOUNTS

USE MY\_ACCOUNTS

Coustmer table (create and insert)

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

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

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

INSERT INTO COUSTMER VALUES('MEHUL','BORODA');

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

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

INSERT INTO COUSTOMER VALUES('PROMOD','NAGPUR');

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

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

INSERT INTO COUSTOMER VALUES('KRANTHI','BOMBAY');

INSERT INTO COUSTOMER VALUES('NAREN','NAGPUR');

Branch table(create and insert)

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

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');

Deposit table(create and insert)

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 VARCHAR(20));

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');

Borrow table(create and insert)

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

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);

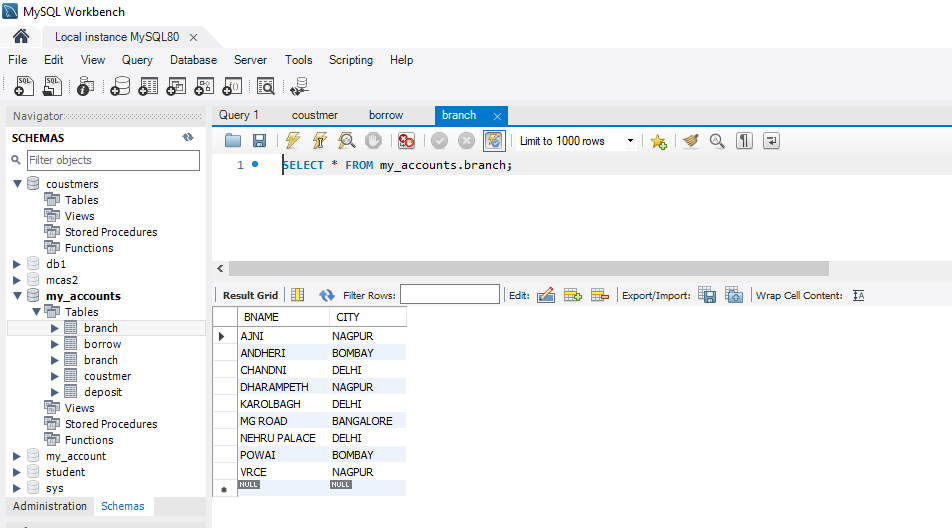
INSERT INTO BORROW VALUES('L321','MADHURI','ANDHERI',2000.00);

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

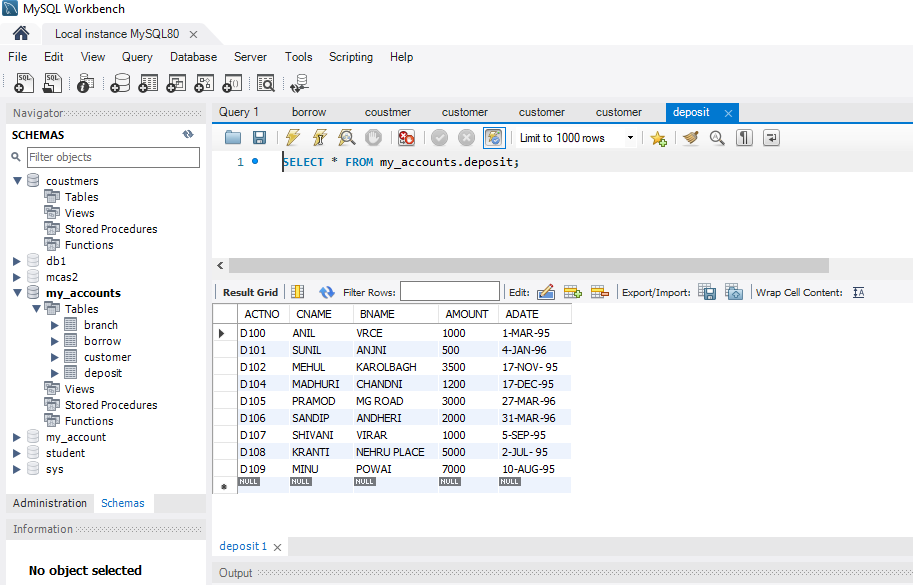
INSERT INTO BORROW VALUES('L481','KRANTI','NEHRU PLACE',3000.00);

**Output Screenshot**

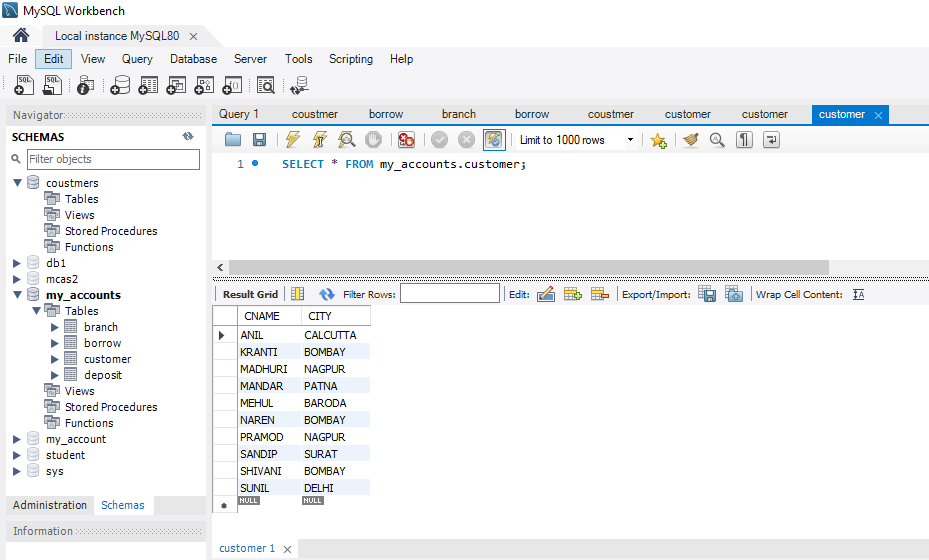
**Branch Table**



**Deposite table**



**Customer table**



B**orrow table**

