#### 20MCA134 - ADVANCED DBMS LAB

# **EXPERIMENT NO. 1**

# <u>Aim</u>

To study various DDL commands – CREATE and INSERT.

# **Question**

Create the Tables Customer, Branch, Deposit, Borrow with their respective columns.

# **Commands**

### **Create Database**

CREATE DATABASE database1;

USE database1;

## Table 1: CUSTOMER

CREATE TABLE CUSTOMER (c\_name VARCHAR(15) PRIMARY KEY ,city VARCHAR(20) NOT NULL );

## Table 2: BRANCH

CREATE TABLE BRANCH (b\_name VARCHAR(20) PRIMARY KEY,city VARCHAR(30) CHECK (city IN ('NAGPUR','DELHI','BANGALORE','BOMBAY')) NOT NULL);

#### **Table 3: BORROW**

CREATE TABLE BORROW (loan\_no VARCHAR(8) CHECK (loan\_no LIKE 'L%') PRIMARY KEY, c\_name VARCHAR(15) REFERENCES CUSTOMER(c\_name),b\_name VARCHAR(20) REFERENCES

BRANCH(b name), amount FLOAT(8) CHECK (amount>0) NOT NULL);

#### Table 4: DEPOSIT

CREATE TABLE DEPOSIT (act\_no VARCHAR(5) CHECK (act\_no LIKE 'D%') PRIMARY KEY ,c\_name VARCHAR(15) REFERENCES CUSTOMER(c\_name),b\_name VARCHAR(20) REFERENCES

BRANCH(b name), amount FLOAT(8) CHECK (AMOUNT>0) NOT NULL, a date DATE);

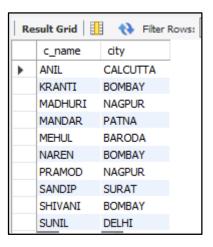
#### **INSERT VALUES**

```
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');
```

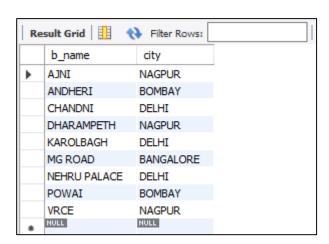
```
INSERT INTO BRANCH VALUES('DHARAMPETH', 'NAGPUR');
INSERT INTO BRANCH VALUES('MG ROAD', 'BANGALORE');
INSERT INTO BRANCH VALUES ('ANDHERI', 'BOMBAY');
INSERT INTO BRANCH VALUES ('NEHRU PALACE', 'DELHI');
INSERT INTO BRANCH VALUES('POWAI', 'BOMBAY');
INSERT INTO DEPOSIT VALUES('D100', 'ANIL', 'VRCE', 1000.00, '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', 5000.00, '1995-07-02');
INSERT INTO DEPOSIT VALUES('D109', 'MINU', 'POWAI', 7000.00, '1995-08-10');
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**

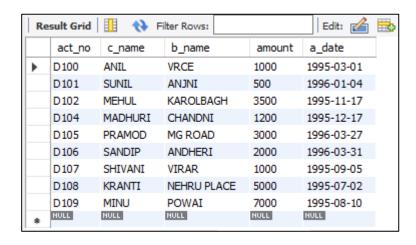
## **SELECT \* FROM CUSTOMER;**



# SELECT \* FROM BRANCH;



#### **SELECT \* FROM DEPOSIT;**



## SELECT \* FROM BORROW;

