## ADVANCED DBMS LAB

# **Experiment No.: 1**

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Roll No:11

Batch: B

Date:25-03-2022

## <u>Aim</u>

To study various DDL commands – CREATE

## **Questions**

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 VARCHAR (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 ddl;

#### 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);

INSERT INTO DEPOSIT VALUES('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, '1995-10-17'), ('D105', 'PRAMOD', 'MG ROAD', 3000.00, '1996-03-27'), ('D106', 'SANDIP', 'ANDHERI', 2000.00, '1996-03-31'), ('D107', 'SHIVANI', 'VIRAR', 1000.00, '1995-10-17')

09-05'), ('D108', 'KRANTI', 'NEHRU PLACE', 5000.00, '1995-07-02'), ('D109', 'MINU', 'POWAI', 7000.00, '1995-08-10');

#### 2: BRANCH

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'), ('AJNI','NAGPUR'), ('KAROLBAGH', 'DELHI'), ('CHANDNI','DELHI'), ('DHARAMPETH','NAGPUR'), ('MG ROAD', 'BANGALORE'), ('ANDHERI','BOMBAY'), ('NEHRU PALACE','DELHI'), ('POWAI','BOMBAY');

#### 3: CUSTOMER

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

INSERT INTO CUSTOMER VALUES ('ANIL', 'CALCUTTA'), ('SUNIL', 'DELHI'), ('MEHUL', 'BARODA'), ('MANDAR', 'PATINA'), ('MADHURI', 'NAGPUR'), ('PRAMOD', 'NAGPUR'), ('SANDIP', 'SURAT'), ('SHIVANI', 'BOMBAY'), ('KRANIT', 'BOMBAY'), ('NAREN', 'BOMBAY');

#### 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);

INSERT INTO BORROW VALUES('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);

SELECT \* FROM CUSTOMER;

SELECT \* FROM BRANCH;

**SELECT \* FROM DEPOSIT;** 

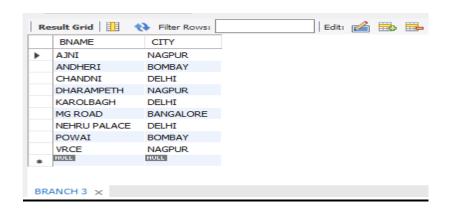
SELECT \* FROM BORROW;

# **Output Screenshot**

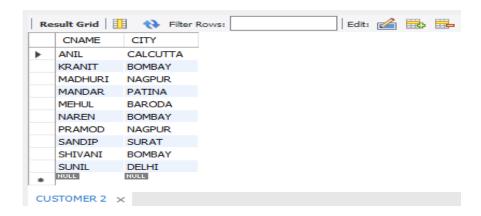
#### 1: DEPOSIT



## 2: BRANCH



## 3: CUSTOMER



## 4: BORROW

