**20MCA134 - ADVANCED DBMS LAB**

# **EXPERIMENT NO. 1**

#### **AIM**

To study various DDL commands - CREATE

# **Question**

Create the following Tables

#### **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

**INSERTION OF VALUES**

**1.** **Inserting values to Branch**

|  |  |
| --- | --- |
| VRCE | NAGPUR |
| AJNI | NAGPUR |
| KAROLBAGH | DELHI |
| CHANDNI | DELHI |
| DHARAMPETH | NAGPUR |
| MG ROAD | BANGALORE |

|  |  |
| --- | --- |
| ANDHERI | BOMBAY |
| NEHRU PALACE | DELHI |
| POWAI | BOMBAY |

**2.** **Inserting values into Customer table**

|  |  |
| --- | --- |
| ANIL | CALCUTTA |
| SUNIL | DELHI |
| MEHUL | BARODA |
| MANDAR | PATNA |
| MADHURI | NAGPUR |
| PRAMOD | NAGPUR |
| SANDIP | SURAT |
| SHIVANI | BOMBAY |
| KRANTI | BOMBAY |
| NAREN | BOMBAY |

**3.** **Inserting values into Deposite table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Actno | Cname | Bname | Amount | Adate |
| D100 | ANIL | VRCE | 1000.00 | 1-MAR-95 |
| D101 | SUNIL | ANJNI | 500.00 | 4-JAN-96 |
| D102 | MEHUL | KAROLBAGH | 3500.00 | 17-NOV-95 |
| D104 | MADHURI | CHANDNI | 1200.00 | 17-DEC-95 |
| D105 | PRAMOD | MG ROAD | 3000.00 | 27-MAR-96 |
| D106 | SANDIP | ANDHERI | 2000.00 | 31-MAR-96 |
| D107 | SHIVANI | VIRAR | 1000.00 | 5-SEP-95 |
| D108 | KRANTI | NEHRU PLACE | 5000.00 | 2-JUL-95 |
| D109 | MINU | POWAI | 7000.00 | 10-AUG-95 |

**4.** **Inserting values into borrow table**

|  |  |  |  |
| --- | --- | --- | --- |
| 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 |

# **Procedure:-**

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

CREATE TABLE BRANCH (BNAME VARCHAR(20) PRIMARY KEY,CITY VARCHAR(30) CHECK (CITY IN

('NAGPUR','DELHI','BANGALORE','BOMBAY')) NOT NULL);

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);

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 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,'1-MAR-95'); INSERT INTO DEPOSIT VALUES('D101','SUNIL','ANJNI',500.00,'4-JAN-96');

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');

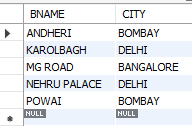
INSERT INTO BORROW VALUES('L201','ANIL','VRCE',1000.00);

INSERT INTO BORROW VALUES('L206','MEHUL','AJNI',5000.00);

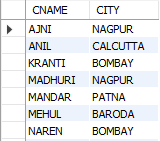
INSERT INTO BORROW VALUES('L311','SUNIL','DHARAMPETH',3000.00); INSERT INTO BORROW VALUES('L321','MADHURI','ANDHERI',2000.00); INSERT INTO BORROW VALUES('L371','PRAMOD','VIRAR',8000.00); INSERT INTO BORROW VALUES('L481','KRANTI','NEHRU PLACE',3000.00);

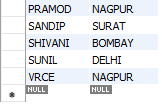
Output

SELECT \* FROM BRANCH;

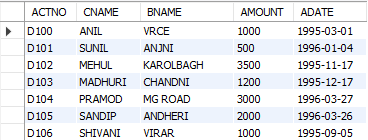


SELECT \*FROM CUSTOMER;





SELECT \*FROM DEPOSIT;





SELECT \*FROM BORROW;

