

**ADVANCED DBMS LAB****EXPERIMENT NO.: 1****AIM**

To study various DDL commands – CREATE, INSERT

**QUESTION**

Create the following Tables and Insert values.

**Table 1: DEPOSIT**

ACTNO VARCHAR (5) PRIMARY KEY, FIRST LETTER MUST START WITH 'D'  
CNAME VARCHAR (20) FOREIGN KEY REFERENCES CUSTOMER  
BNAME VARCHAR (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 VARCHAR (15) PRIMARY KEY  
CITY VARCHAR (20) NOT NULL

**Table 4: BORROW**

LOANNO VARCHAR (28) PRIMARY KEY / FIRST LETTER MUST START WITH 'L'  
CNAME VARCHAR (15) FOREIGN KEY REFERENCES CUSTOMER  
BNAME VARCHAR2(20) FOREIGN KEY REFERENCES BRANCH  
AMOUNT NUMBER(8,2) NOT NULL, CANNOT BE 0

**Name: Keerthana P**

**Roll No:12**

**Batch:MCA**

**Date:25/03/2022**

**PROCEDURE****1.CUSTOMER TABLE(CREATE AND INSERT)**

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

```
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');
```

**2.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');
```

**3.BORROW TABLE(CREATE AND INSERT)**

```
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);  
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);
```

#### **4.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  
DATE);
```

```
INSERT INTO DEPOSIT VALUES('D100','ANIL','VRCE',1000.00,'95-3-1');  
INSERT INTO DEPOSIT VALUES('D101','SUNIL','ANJNI',500.00,'96-1-4');  
INSERT INTO DEPOSIT VALUES('D102','MEHUL','KAROLBAGH',3500.00,'95-11- 17');  
INSERT INTO DEPOSIT VALUES('D104','MADHURI','CHANDNI',1200.00,'95-D12-17');  
INSERT INTO DEPOSIT VALUES('D105','PRAMOD','MG ROAD',3000.00,'96-3-27');  
INSERT INTO DEPOSIT VALUES('D106','SANDIP','ANDHERI',2000.00,'31-MAR-96');  
INSERT INTO DEPOSIT VALUES('D107','SHIVANI','VIRAR',1000.00,'95-SEP-95');  
INSERT INTO DEPOSIT VALUES('D108','KRANTI','NEHRU PLACE',5000.00,'95-7- 2');  
INSERT INTO DEPOSIT VALUES('D109','MINU','POWAI',7000.00,'95-8-10');
```

**Output Screenshot****CUSTOMER TABLE**

Result Grid

Filter Rows:

Edit:

	CNAME	CITY
▶	ANIL	CALCUTTA
	KRANTI	BOMBAY
	MADHURI	NAGPUR
	MANDAR	PATNA
	MEHUL	BARODA
	NAREN	BOMBAY
	PRAMOD	NAGPUR
	SANDIP	SURAT
	SHIVANI	BOMBAY
	SUNIL	DELHI
*	NULL	NULL

**1. BRANCH TABLE**

Result Grid

Filter Rows:






Edit:

	BNAME	CITY
▶	AJNI	NAGPUR
	ANDHERI	BOMBAY
	CHANDNI	DELHI
	DHARAMPETH	NAGPUR
	KAROLBAGH	DELHI
	NEHRU PALACE	DELHI
	POWAI	BOMBAY
	VRCE	NAGPUR
✱	NULL	NULL

**2. BORROW TABLE**

Result Grid			Filter Rows: <input type="text"/>	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

**4.DEPOSIT TABLE**

Result Grid			Filter Rows: <input type="text"/>	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	VIRAR	1000	1995-09-05	
	D109	MINU	POWAI	7000	1995-08-10	
*	NULL	NULL	NULL	NULL	NULL	