

**ADVANCED DBMS LAB****Experiment No.: 1****Aim**

To study various DDL commands – CREATE

**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

**Name: Vismaya Mohan**

**Roll No: 54**

**Batch:MCA B**

**Date:25-03-22**

**PROCEDURE****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,'2008-  
11-11');
```

```
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,'1995-06-05');
```

```
INSERT INTO DEPOSIT VALUES('D108','KRANTI','NEHRU  
PLACE',5000.00,'1995-07-02');
```

```
INSERT INTO DEPOSIT  
VALUES('D109','MINU','POWAI',7000.00,'1995-10-08');
```

**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');
```

### **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');
```

### **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);
```

### **Output Screenshot**

```
SELECT * FROM DEPOSIT;
```

ACTNO	CNAME	BNAME	AMOUNT	ADATE
D100	ANIL	VRCE	1000	1996-03-01
D101	SUNIL	ANJNI	500	1996-01-04
D102	MEHUL	KAROLBAGH	3500	1994-11-17
D103	MADHURI	CHANDNI	1200	1995-12-17
D104	PRAMOD	MGROAD	3000	1996-03-27
D105	SANDDEEP	ANDHERI	2000	1996-03-31
D106	SHIVANI	VIRAR	1000	1995-09-05
D107	KRANTI	NEHRU PLACE	5000	1995-07-02
D108	MINU	POWAI	7000	1995-08-10
NULL	NULL	NULL	NULL	NULL

```
SELECT * FROM BRANCH;
```

BNAME	CITY
AJNI	NAGPUR
ANDHERI	BOMBAY
CHANDNI	DELHI
DARAMPETH	NAGPUR
KAROLBAGH	DELHI
MG ROAD	BANGALORE
NEHRU PALACE	DELHI
NEHRU PALACE	DELHI
POWAI	BOMBAY
NULL	NULL

**SELECT \* FROM CUSTOMER;**

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

**SELECT \* FROM BORROW;**

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