

**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: Susan Sebastian**

**Roll No: 45**

**Batch: B**

**Date: 25-03-2022**

**PROCEDURE****1. Create Database**

```
CREATE DATABASE database1;
```

```
USE database1;
```

**2. Customer table (Create and Insert)**

```
CREATE TABLE CUSTOMER (c_name VARCHAR(15) PRIMARY KEY ,city VARCHAR(20) NOT NULL );
```

**3. Branch (Create and Insert)**

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

**4. Borrow (Create and Insert)**

```
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);
```

**5. Deposit (Create and Insert)**

```
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','BANGLORE');
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,'1996-04-01');
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,'1995-10-05');
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);
```

```
select * from CUSTOMER;
```

```
select * from branch;
```

```
select * from borrow;
```

```
select * from deposit;
```




**OUTPUT SCREENSHOT****1. 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		




**2. Branch Table**

Result Grid			Filter Rows:	Edit:
	BNAME	CITY		
▶	AJNI	NAGPUR		
	ANDHERI	BOMBAY		
	CHANDNI	DELHI		
	DHARAMPETH	NAGPUR		
	KAROLBAGH	DELHI		
	MG ROAD	BANGLORE		
	NEHRU PALACE	DELHI		
	POWAI	BOMBAY		
	VRCE	NAGPUR		

**3. 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

#### 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	1996-04-01
	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	1995-10-05
	D108	KRANTI	NEHRU PLACE	5000	1995-07-02
	D109	MINU	POWAI	7000	1995-08-10