

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: Swetha Prakash

Roll No: 46

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','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,'1995-03-01');
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,'1995-09-05');
```

```
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 SCREENSHOT**1. Customer Table**

Result Grid   Filter Rows: <input type="text"/>		
	c_name	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: <input type="text"/>		
	b_name	city
▶	AJNI	NAGPUR
	ANDHERI	BOMBAY
	CHANDNI	DELHI
	DHARAMPETH	NAGPUR
	KAROLBAGH	DELHI
	MG ROAD	BANGALORE
	NEHRU PALACE	DELHI
	POWAI	BOMBAY
	VRCE	NAGPUR
✱	NULL	NULL

3. BORROW TABLE

Result Grid   Filter Rows: <input type="text"/>				
	loan_no	c_name	b_name	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:		Edit:	
	act_no	c_name	b_name	amount	a_date
▶	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
	D108	KRANTI	NEHRU PLACE	5000	1995-07-02
	D109	MINU	POWAI	7000	1995-08-10
*	NULL	NULL	NULL	NULL	NULL