

**ADVANCED DBMS LAB****Name: Vishnu Vijayakumar****Roll No:53****Batch: B****Date:25-03-2022****Experiment No.: 1****AIM**

To study various DDL commands – CREATE

**QUESTIONS**

Create the following tables and insert the 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  
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 VARCHAR (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

## **PROCEDURE**

CREATE DATABASE my\_account;

### **1: DEPOSIT**

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,'1995-03-01') ('D101','SUNIL','ANJNT',500.00,'1996-01-04') , ('D102','MEHUL','KAROLBAGH',3500.00,'1995-11-17'), ('D104','MADHURI','CHANDNI',1200.00,'1995-10-17'), ('D105','PRAMOD','MG ROAD',3000.00,'1996-03-27'), ('D106','SANDIP','ANDHERI',2000.00,'1996-03-31'), ('D107','SHIVANI','VIRAR',1000.00,'1995-09-05'), ('D108','KRANTI','NEHRU PLACE',5000.00,'1995-07-02'), ('D109','MINU','POWAI',7000.00,'1995-08-10');

### **2: BRANCH**

CREATE TABLE BRANCH(bname varchar(15) PRIMARY KEY, city varchar(30) CHECK (CITY IN ('NAGPUR','DELHI','BANGALORE','BOMBAY')) NOT NULL);

INSERT INTO BRANCH  
VALUES('VRCE','NAGPUR'),('AJNT','NAGPUR'),('KAROLBAGH','DELHI'),('CHANDNI','DELHI'),('DHARAMPETH','NAGPUR'),('MG ROAD','BANGALORE'),('ANDHERI','BOMBAY'),('NEHRU PALACE','DELHI'),('POWAI','BOMBAY');

### **3: CUSTOMER**

CREATE TABLE CUSTOMER(cname varchar(15) PRIMARY KEY, city varchar(20) NOT NULL);

INSERT INTO CUSTOMER  
VALUES('ANIL','CALCUTTA'),('SUNIL','DELHI'),('MEHUL','BARODA'),('MANDAR','PATNA'),('MADHURI','NAGPUR'),('PRAMOD','NAGPUR'),('SANDIP','SURAT'),('SHIVANI','BOMBAY'),('KRANTI','BOMBAY'),('NAREN','BOMBAY'),('VRCE','NAGPUR'),('AJNT','NAGPUR');

### **4: BORROW**

CREATE TABLE BORROW(loan\_no varchar(8) CHECK(loan\_no 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('L311','SUNIL','DHARAMPETH',3000.00),('L321','MADHURI','ANDHERI',2000.00),('L371','PRAMOD','VIRAR',8000.00),('L481','KRANTI','NEHRU PLACE',3000.00);

SELECT \* FROM DEPOSIT;

SELECT \* FROM BRANCH;

SELECT \* FROM CUSTOMER;

SELECT \* FROM BORROW;

## Output Screenshot

### 1: DEPOSIT

	ACTNO	CNAME	BNAME	AMOUNT	ADATE
▶	D100	Anil	VRCE	1000	1995-03-01
	D101	Sunil	Ajni	5000	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	Andheri	1000	1995-09-05
	D108	Kranti	Nehru Palace	5000	1995-07-02
	D109	Naren	Powai	7000	1995-08-10
*	NULL	NULL	NULL	NULL	NULL

### 2: BRANCH

	ACTNO	CNAME	BNAME	AMOUNT	ADATE
	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	Andheri	1000	1995-09-05
	D108	Kranti	Nehru Palace	5000	1995-07-02
	D109	Naren	Powai	7000	1995-08-10
*	NULL	NULL	NULL	NULL	NULL

### 3: CUSTOMER

	CNAME	CITY
▶	Anil	Calcutta
	Kranti	Bombay
	Madhuri	Nagpur
	Mandar	Patna
	Mehul	Baroda
	Naren	Bombay
	Pramod	Nagpur
	Sandip	Surat
	Shivani	Bombay
	Sunil	Delhi
*	NULL	NULL

#### 4: BORROW

	LOANNO	CNAME	BNAME	AMOUNT
▶	L105	Pramod	MG road	3000
	L201	Anil	VRCE	1000
	L206	Mehul	Ajni	5000
	L311	Sunil	Dharampeth	3000
	L321	Madhuri	Andheri	1200
	L481	Kranti	Nehru Palace	5000
*	NULL	NULL	NULL	NULL