

**ADVANCED DATABASE MANAGEMENT SYSTEM LAB****Name: Manya Madhu****Roll No:17****Batch:B****Date:25/03/2022****Experiment No.: 1****Aim**

To study various DDL commands – CREATE

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 0

**Procedure****Create the following Tables****Table 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);

**Table 2: BRANCH**

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

**Table 3: CUSTOMER**

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

**Table 4: BORROW**

```
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);
```

## Inserting data

**Table 1: DEPOSIT**

```
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');
```

**Table 2: BRANCH**

```
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');
```

**Table 3: CUSTOMER**


```
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');
```

**Table 4: BORROW**

```
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;
```

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	VINSERTIRAR	1000	1995-09-05
	D108	KRANTI	NEHRU PLACE	5000	1995-07-02
	D109	MINU	POWAI	7000	1995-07-10
✱	NULL	NULL	NULL	NULL	NULL

deposit 1 x

SELECT \* FROM BRANCH;

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

branch 1 x

SELECT \* FROM CUSTOMER;

Result Grid			Filter Rows:
	CNAME	CITY	
	KRANTI	BOMBAY	
	MADHURI	NAGPUR	
	MANDAR	PATNA	
	MEHUL	BARODA	
	NAREN	BOMBAY	
	PRAMOD	NAGPUR	
	SANDIP	SURAT	
	SHIVANI	BOMBAY	
	SUNIL	DELHI	
	NULL	NULL	

SELECT \* FROM BORROW;

Result Grid					Filter Rows:	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		