

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

```
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','BANGLORE','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,  
CNAMEVARCHAR(15) REFERENCES CUSTOMER(CNAME),  
BNAME VARCHAR(20) REFERENCESBRANCH(BNAME),  
AMOUNT FLOAT(8) CHECK (AMOUNT>0) NOT NULL);
```

PROCEDURE**1. 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);
```

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Roll No: 51

Batch: B

Date: 27/03/2022

```
INSERT INTO DEPOSIT VALUES('D101','SUNIL','ANJNI',500.00,'1996-03-17');
INSERT INTO DEPOSIT VALUES('D102','MEHUL','KAROLBAGH',3500.00,'1995-11-08');
INSERT INTO DEPOSIT VALUES('D104','MADHURI','KPLY',1200.00,'1995-12-17');
INSERT INTO DEPOSIT VALUES('D105','PRAMOD','MG ROAD',3000.00,'1996-09-26');borrow
INSERT INTO DEPOSIT VALUES('D106','SANDEEP','ANDHERI',2000.00,'1996-05-30');
INSERT INTO DEPOSIT VALUES('D107','SHIVANI','VIRAR',1000.00,'1995-11-22');
INSERT INTO DEPOSIT VALUES('D108','KRANTI','NEHRUPLACE',5000.00,'1995-10-18');
INSERT INTO DEPOSIT VALUES('D109','MINU','POWAI',7000.00,'1995-04-25');
```

2. Branch (Create and Insert)

```
CREATE TABLE BRANCH(BNAME VARCHAR(20) PRIMARY KEY,
CITY VARCHAR(30) CHECK(CITY IN ('NAGPUR','DELHI','BANGLORE','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','BANGLORE');
INSERT INTO BRANCH VALUES('ANDHERI','BOMBAY');
INSERT INTO BRANCH VALUES('NEHRUPALACE','DELHI');
INSERT INTO BRANCH VALUES('POWAI','BOMBAY');
```

3. Borrow (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);
```

4. 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');
```

Output Screenshot**1. Deposit Table**

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
ACTNO	CNAME	BNAME	AMOUNT	ADATE
D101	SUNIL	ANJNI	500	1996-03-12
D102	MEHUL	KAROLBAGH	3500	1995-11-08
D104	MADHURI	KPLY	1200	1995-12-17
D105	PRAMOD	MG ROAD	3000	1996-09-26
D106	SANDEEP	ANDHERI	2000	1996-05-30
D107	SHIVANI	VIRAR	1000	1995-11-22
D108	KRANTI	NEHRUPALACE	5000	1995-10-18
D109	MINU	POWAI	7000	1995-04-25
NULL	NULL	NULL	NULL	NULL

2. Branch Table

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	BNAME	CITY
▶	AJNI	NAGPUR
	ANDHERI	BOMBAY
	CHANDNI	DELHI
	DHARAMPETH	NAGPUR
	KAROLBAGH	DELHI
	MG ROAD	BANGLORE
	NEHRUPALACE	DELHI
	POWAI	BOMBAY
	VRCE	NAGPUR
✱	NULL	NULL

3. BORROW TABLE

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
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	

4. Customer TABLE

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
CNAME	CITY			
ANIL	CALCUTTA			
KRANTI	BOMBAY			
MADHURI	NAGPUR			
MANDAR	PATNA			
MEHUL	BARODA			
NAREN	BOMBAY			
PRAMOD	NAGPUR			
SANDIP	SURAT			
SHIVANI	BOMBAY			
SUNIL	DELHI			
NULL	NULL			