

EXPERIMENT NO: 1

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AIM: To study various DDL commands – CREATE TABLES AND INSERT VALUES

QUESTION: Create the following Tables

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

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

```
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);
```

```
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 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,'1-MAR-95');  
INSERT INTO DEPOSIT VALUES('D101','SUNIL','ANJNI',500.00,'4-JAN-96');
```

```
INSERT INTO DEPOSIT VALUES('D102','MEHUL','KAROLBAGH',3500.00,'17-NOV- 95');
```

```
INSERT INTO DEPOSIT VALUES('D104','MADHURI','CHANDNI',1200.00,'17-DEC-95');
INSERT INTO DEPOSIT VALUES('D105','PRAMOD','MG ROAD',3000.00,'27-MAR-96');
INSERT INTO DEPOSIT VALUES('D106','SANDIP','ANDHERI',2000.00,'31-MAR-96');
INSERT INTO DEPOSIT VALUES('D107','SHIVANI','VIRAR',1000.00,'5-SEP-95');
```

```
INSERT INTO DEPOSIT VALUES('D108','KRANTI','NEHRU PLACE',5000.00,'2-JUL- 95');
```

```
INSERT INTO DEPOSIT VALUES('D109','MINU','POWAI',7000.00,'10-AUG-95');
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.DEPOSITE

```
SELECT * FROM DEPOSITE;
```

	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	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

2.BRANCH

```
SELECT * FROM BRANCH;
```

	BNAME	CITY
▶	AJNI	NAGPUR
	ANDHERI	BOMBAY
	CHANDNI	DELHI
	DHARAMPETH	NAGPUR
	KAROLBAGH	DELHI
	MG ROAD	BANGALORE
	NEHRU PALACE	DELHI
	POWAI	BOMBAY
	VRCE	NAGPUR
•	NULL	NULL

3.CUSTOMER

```
SELECT * FROM CUSTOMER;
```

	CNAME	CITY
▶	AJNI	NAGPUR
	ANIL	CULCUTTA
	KRANTI	BOMBAY
	MADHURI	NAGPUR
	MANDAR	PATNA
	MEHUL	BARODA
	NAREN	BOMBAY
	PRAMOD	NAGPUR
	SANDIP	SURAT
	SHIVANI	BOMBAY
	SUNIL	DELHI
	VRCE	NAGPUR
★	NULL	NULL

4.BORROW

```
SELECT * FROM BORROW;
```

	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