

ADVANCED DBMS LAB

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Experiment No.: 1

Aim

To study various DDL commands – CREATE

Questions

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 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 ddl;

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',
'ANJNI',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-

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

```
INSERT INTO BRANCH VALUES('VRCE','NAGPUR'), ('AJNI','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','PATINA'), ('MADHURI','NAGPUR'), ('PRAMOD','NAGPUR'),  
('SANDIP','SURAT'), ('SHIVANI','BOMBAY'), ('KRANIT','BOMBAY'), ('NAREN','BOMBAY');
```

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);
```

```
INSERT INTO BORROW VALUES('L201','ANIL','VRCE',1000.00), ('L206', 'MEHUL', 'AJNI',  
5000.00), ('L311','SUNIL','DHARAMPETH',3000.00), ('L321','MADHURI','ANDHERI',2000.00),  
('L371','PRAMOD','VIRAR',8000.00), ('L481','KRANTI','NEHRU PLACE',3000.00);
```

```
SELECT * FROM CUSTOMER;
```

```
SELECT * FROM BRANCH;
```

```
SELECT * FROM DEPOSIT;
```

```
SELECT * FROM BORROW;
```

Output Screenshot

1: DEPOSIT

Result Grid					
		Filter Rows:		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	1995-10-17
	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

DEPOSIT 4 ×

2: BRANCH

Result Grid		
		Filter Rows:
		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 3 ×

3: CUSTOMER

Result Grid		
		Filter Rows:
		Edit:
	CNAME	CITY
▶	ANIL	CALCUTTA
	KRANTI	BOMBAY
	MADHURI	NAGPUR
	MANDAR	PATINA
	MEHUL	BARODA
	NAREN	BOMBAY
	PRAMOD	NAGPUR
	SANDIP	SURAT
	SHIVANI	BOMBAY
	SUNIL	DELHI
*	NULL	NULL

CUSTOMER 2 ×

4: 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

BORROW 5

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