

EXPERIMENT NO. 1

Aim

To study various DDL commands – CREATE and INSERT.

Question

Create the Tables Customer, Branch, Deposit, Borrow with their respective columns.

Commands

Create Database

```
CREATE DATABASE database1;
```

```
USE database1;
```

Table 1: CUSTOMER

```
CREATE TABLE CUSTOMER (c_name VARCHAR(15) PRIMARY KEY ,city VARCHAR(20) NOT NULL );
```

Table 2: BRANCH

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

Table 3: BORROW

```
CREATE TABLE BORROW (loan_no VARCHAR(8) CHECK (loan_no LIKE 'L%') PRIMARY KEY,  
c_name VARCHAR(15) REFERENCES CUSTOMER(c_name),b_name VARCHAR(20)  
REFERENCES
```

```
BRANCH(b_name),amount FLOAT(8) CHECK (amount>0) NOT NULL);
```

Table 4: DEPOSIT

```
CREATE TABLE DEPOSIT (act_no VARCHAR(5) CHECK (act_no LIKE 'D%') PRIMARY KEY  
,c_name VARCHAR(15) REFERENCES CUSTOMER(c_name),b_name VARCHAR(20)  
REFERENCES
```

```
BRANCH(b_name),amount FLOAT(8) CHECK (AMOUNT>0) NOT NULL, a_date DATE);
```

INSERT VALUES

```
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,'1995-03-01');

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,'1995-09-05');

INSERT INTO DEPOSIT VALUES('D108','KRANTI','NEHRU PLACE',5000.00,'1995-07-02');

INSERT INTO DEPOSIT VALUES('D109','MINU','POWAI',7000.00,'1995-08-10');

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 CUSTOMER;

Result Grid   Filter Rows: <input type="text"/>		
	c_name	city
▶	ANIL	CALCUTTA
	KRANTI	BOMBAY
	MADHURI	NAGPUR
	MANDAR	PATNA
	MEHUL	BARODA
	NAREN	BOMBAY
	PRAMOD	NAGPUR
	SANDIP	SURAT
	SHIVANI	BOMBAY
	SUNIL	DELHI

SELECT * FROM BRANCH;

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

SELECT * FROM DEPOSIT;

Result Grid					
Filter Rows:					
	act_no	c_name	b_name	amount	a_date
▶	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

SELECT * FROM BORROW;

Result Grid				
Filter Rows:				
	loan_no	c_name	b_name	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