ADVANCED DBMS LAB

Experiment No.: 1

Name: JUSTIN V KALAPPURA
Roll No:10
Batch: MCA REGULAR
Date:25-03-2022

Aim

To study various DDL commands – CREATE, INSERT

QUESTION

Create the following Tables and Insert values.

Table 1: DEPOSIT

    ACTNO VARCHAR (5) PRIMARY KEY, FIRST LETTER MUST START WITH 'D'

    CNAME VARCHAR (20) FOREIGN KEY REFERENCES CUSTOMER

    BNAME VARCHAR (20) FOREGIGN 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 VARCHAR (15) PRIMARY KEY

    CITY VARCHAR (20) NOT NULL

Table 4: BORROW

    LOANNO VARCHAR (28) PRIMARY KEY / FIRST LETTER MUST START WITH 'L'

    CNAME VARCHAR (15) FOREIGN KEY REFERENCES CUSTOMER

    BNAME VARCHAR2(20) FOREIGN KEY REFERENCES BRANCH
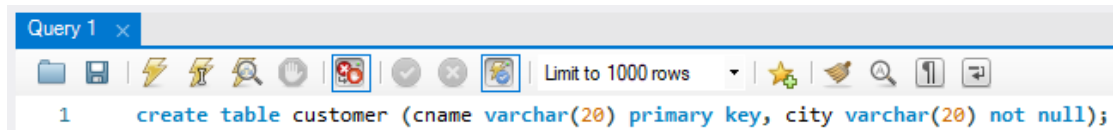
    AMOUNT NUMBER(8,2) NOT NULL, CANNOT BE 0

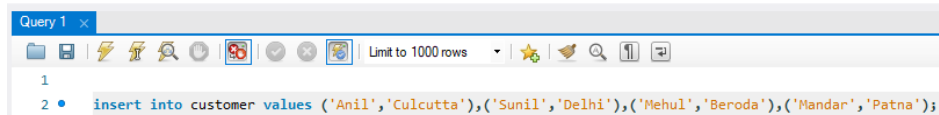## PROCEDURE

1. **Customer table (Create and Insert)**
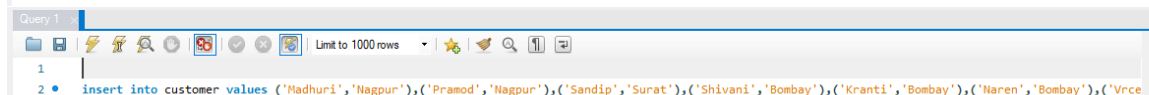
```
create table customer (cname varchar(20) primary key, city varchar(20) not null);
```

```
insert into customer values ('Anil','Culcutta'),('Sunil','Delhi'),('Mehul','Beroda'),('Mandar','Patna');
```
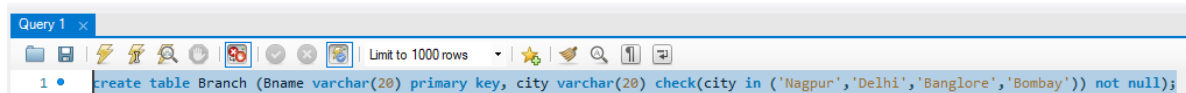
```
insert into customer values ('Madhuri','Nagpur'),('Pramod','Nagpur'),('Sandip','Surat'),('Shivani','Bombay'),('Kranti','Bombay'),('Naren','Bombay'),('Vrce
```
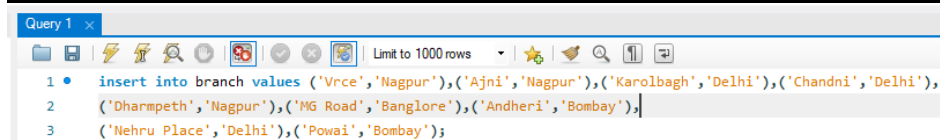
2. **Branch (Create and Insert)**

```
create table Branch (Bname varchar(20) primary key, city varchar(20) check(city in ('Nagpur','Delhi','Banglore','Bombay')) not null);
```
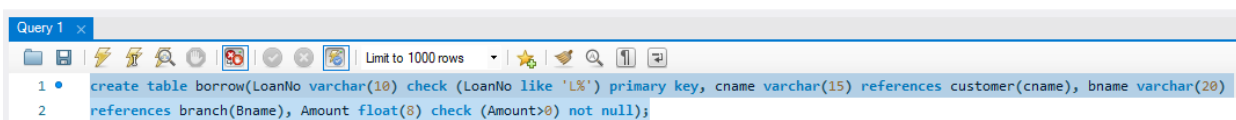
```
insert into branch values ('Vrce','Nagpur'),('Ajni','Nagpur'),('Karolbagh','Delhi'),('Chandni','Delhi'),
('Dharmpeth','Nagpur'),('MG Road','Banglore'),('Andheri','Bombay'),
('Nehru Place','Delhi'),('Powai','Bombay');
```
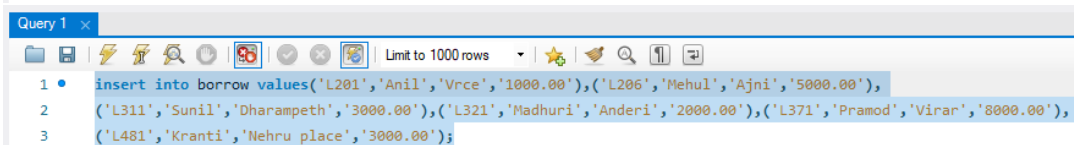
3. **Borrow (Create and Insert)**

```
create table borrow(LoanNo varchar(10) 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','Anderi','2000.00'),('L371','Pramod','Virar','8000.00'),
('L481','Kranti','Nehru place','3000.00');
```

4. Deposit (Create and Insert)

```
create table deposit (Actno varchar(5) check (Actno like 'D%') primary key, cname varchar(20) 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,'95-03-1'),('D101','Sunil','Anjni',500.00,'96-01-4'),('D102','Mehul','Karlobagh',3500.00,'95-11-17'),
    ('D104','Madhuri','Chandni',1200.00,'95-12-17'),('D105','Pramod','MG Road',3000.00,'96-03-27'),('D106','Sandip','Andheri',2000.00,'96-03-31'),
    ('D107','Shivani','Virar',1000.00,'95-09-5'),('D108','Kranti','Nehru Place',5000.00,'95-07-2'),('D109','Minu','Powai',7000.00,'95-08-10');
```

Output Screenshot

1. Customer Table

cname	city
Anil	Culcutta
Kranti	Bombay
Madhuri	Nagpur
Mandar	Patna
Mehul	Beroda
Naren	Bombay
Pramod	Nagpur
Sandip	Surat

2. Branch Table

Bname	city
Ajni	Nagpur
Andheri	Bombay
Chandni	Delhi
Dharmpeth	Nagpur
Karolbagh	Delhi
MG Road	Banglore
Nehru Place	Delhi
Powai	Bombay

3. BORROW TABLE

LoanNo	cname	bname	Amount
L201	Anil	Vrce	1000
L206	Mehul	Ajni	5000
L311	Sunil	Dharampeth	3000
L321	Madhuri	Anderi	2000
L371	Pramod	Virar	8000
L481	Kranti	Nehru place	3000
NULL	NULL	NULL	NULL

borrow 1 ×

4. DEPOSIT TABLE

Actno	cname	bname	Amount	Adate
D100	Anil	Vrce	1000	1995-03-01
D101	Sunil	Anjni	500	1996-01-04
D102	Mehul	Karlobagh	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

deposit 1 ×