ADVANCED DBMS LAB

Experiment No.: 1

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Roll No: 45

Batch: B

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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. Create Database

USE database1:

CREATE DATABASE database1;

2. Customer table (Create and Insert)

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

3. Branch (Create and Insert)

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

4. Borrow (Create and Insert)

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);

5. Deposit (Create and Insert)

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', 'BANGLORE');
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, '1996-04-01');
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, '1995-10-05');
INSERT INTO DEPOSIT VALUES('D108', 'KRANTI', 'NEHRU PLACE', 5000.00, '1995-07-02');
```

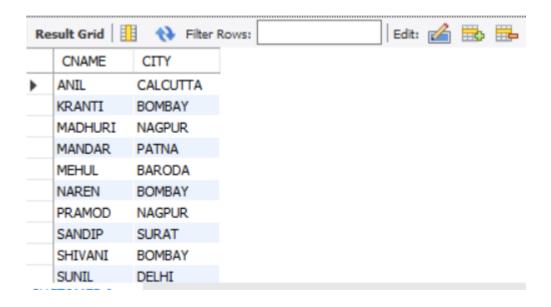
Amal Jyothi College of Engineering, Kanjirappally

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

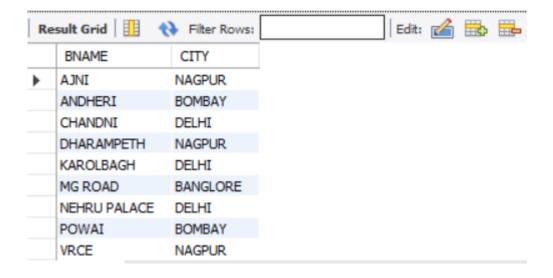
```
INSERT INTO BORROW VALUES('L201','ANIL','VRCE',1000.00);
INSERT INTO BORROW VALUES('L206','MEHUL','AJNI',5000.00);
INSERT INTO BORROW VALUES('L311','SUNIL','DHARAMPETH',3000.00);
INSERT INTO BORROW VALUES('L321','MADHURI','ANDHERI',2000.00);
INSERT INTO BORROW VALUES('L371','PRAMOD','VIRAR',8000.00);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

OUTPUT SCREENSHOT

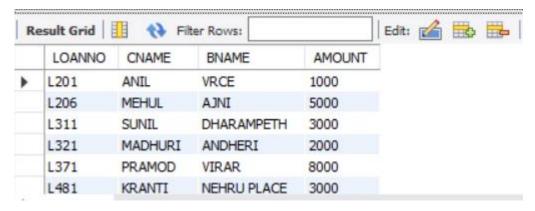
1. Customer Table



2. Branch Table



3. BORROW TABLE



4. **DEPOSIT TABLE**

