ADVANCED DATABASE MANAGEMENT STYSTEM LAB

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Roll No:17

Batch:B

Date:25/03/2022

Experiment No.: 1

Aim

To study various DDL commands – CREATE

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 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 the following Tables

Table 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);

Table 2: BRANCH

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

Table 3: CUSTOMER

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

Table 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);

Inserting data

Table 1: DEPOSIT

INSERT INTO DEPOSIT

VALUES('D100', 'ANIL', 'VRCE', 1000.00, '2008-11-11');

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,'1995-06-05');

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

INSERT INTO DEPOSIT

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

Table 2: BRANCH

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');

20MCA134 – ADVANCED DATABASE MANAGEMENT SYSTEM LAB INSERT INTO BRANCH VALUES ('ANDHERI', 'BOMBAY');

INSERT INTO BRANCH VALUES ('NEHRU PALACE', 'DELHI');

INSERT INTO BRANCH VALUES('POWAI', 'BOMBAY');

Table 3: CUSTOMER

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');

Table 4: BORROW

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);

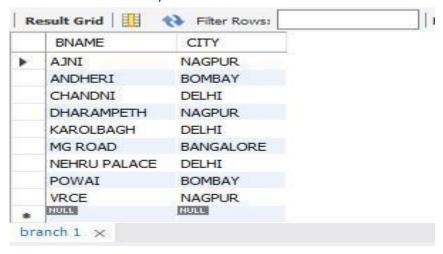
INSERT INTO BORROW VALUES ('L481', 'KRANTI', 'NEHRU PLACE', 3000.00);

Output Screenshot

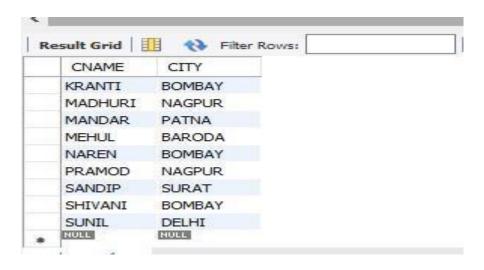
SELECT * FROM DEPOSIT;



SELECT * FROM BRANCH;



SELECT * FROM CUSTOMER;



SELECT * FROM BORROW;

