ADVANCED DBMS LAB

Experiment No.: 1

<u>Aim</u>

To study various DDL commands – CREATE, INSERT

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Batch: B

Date: 27/03/2022

QUESTION

Create the following Tables and Insert values.

Table 1: <u>DEPOSIT</u>

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: <u>BRANCH</u>

CREATE TABLE BRANCH(BNAME VARCHAR(20) PRIMARY KEY,

CITY VARCHAR(30) CHECK(CITY IN ('NAGPUR', 'DELHI', 'BANGLORE', '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,

CNAMEVARCHAR(15) REFERENCES CUSTOMER(CNAME),

BNAME VARCHAR(20) REFERENCESBRANCH(BNAME),

AMOUNT FLOAT(8) CHECK (AMOUNT>0) NOT NULL);

PROCEDURE

1. Deposit table (Create and Insert)

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('D101', 'SUNIL', 'ANJNI', 500.00, '1996-03-17');

INSERT INTO DEPOSIT VALUES('D102', 'MEHUL', 'KAROLBAGH', 3500.00, '1995-11-08');

INSERT INTO DEPOSIT VALUES('D104', 'MADHURI', 'KPLY', 1200.00, '1995-12-17');

INSERT INTO DEPOSIT VALUES('D105', 'PRAMOD', 'MG ROAD', 3000.00, '1996-09-26'); borrow

INSERT INTO DEPOSIT VALUES('D106', 'SANDEEP', 'ANDHERI', 2000.00, '1996-05-30');

INSERT INTO DEPOSIT VALUES('D107','SHIVANI','VIRAR',1000.00,'1995-11-22');

INSERT INTO DEPOSIT VALUES ('D108', 'KRANTI', 'NEHRUPLACE', 5000.00, '1995-10-18');

INSERT INTO DEPOSIT VALUES('D109', 'MINU', 'POWAI', 7000.00, '1995-04-25');

2. Branch (Create and Insert)

CREATE TABLE BRANCH(BNAME VARCHAR(20) PRIMARY KEY,

CITY VARCHAR(30) CHECK(CITY IN ('NAGPUR', 'DELHI', 'BANGLORE', 'BOMBAY'))NOT NULL):

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 ('NEHRUPALACE', 'DELHI');

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

3. Borrow (Create and Insert)

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);

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);

4. Customer table (Create and Insert)

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

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');

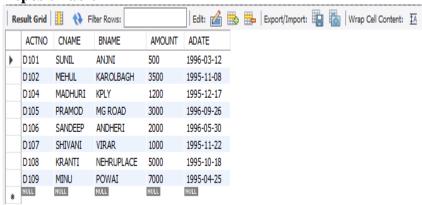
INSERT INTO CUSTOMER VALUES ('SHIVANI', 'BOMBAY');

INSERT INTO CUSTOMER VALUES('KRANTI', 'BOMBAY');

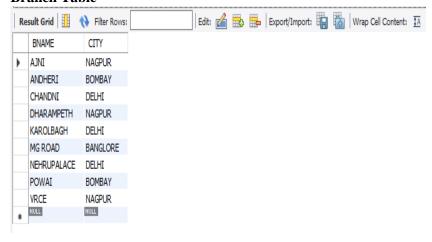
INSERT INTO CUSTOMER VALUES ('NAREN', 'BOMBAY');

Output Screenshot

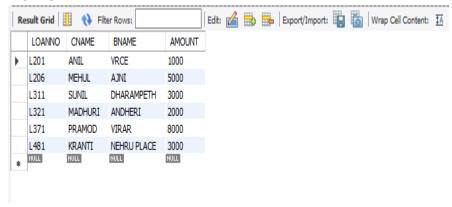




2. Branch Table



3. BORROW TABLE



4. Customer TABLE

