20MCA134 - ADVANCED DBMS LAB

EXPERIMENT NO. 1

AIM

To study various DDL commands - CREATE

Question

Create the following Tables

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

INSERTION OF VALUES

1. Inserting values to Branch

VRCE	NAGPUR
AJNI	NAGPUR
KAROLBAGH	DELHI
CHANDNI	DELHI
DHARAMPETH	NAGPUR
MG ROAD	BANGALORE

ANDHERI	BOMBAY
NEHRU PALACE	DELHI
POWAI	ВОМВАҮ

2. Inserting values into Customer table

ANIL	CALCUTTA
SUNIL	DELHI
MEHUL	BARODA
MANDAR	PATNA
MADHURI	NAGPUR
PRAMOD	NAGPUR
SANDIP	SURAT
SHIVANI	BOMBAY

KRANTI	BOMBAY
NAREN	BOMBAY

3. Inserting values into Deposite table

Actno	Cname	Bname	Amount	Adate
D100	ANIL	VRCE	1000.00	1-MAR-95
D101	SUNIL	ANJNI	500.00	4-JAN-96
D102	MEHUL	KAROLBAGH	3500.00	17-NOV-95
D104	MADHURI	CHANDNI	1200.00	17-DEC-95
D105	PRAMOD	MG ROAD	3000.00	27-MAR-96
D106	SANDIP	ANDHERI	2000.00	31-MAR-96
D107	SHIVANI	VIRAR	1000.00	5-SEP-95
D108	KRANTI	NEHRU PLACE	5000.00	2-JUL-95

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D109	MINU	POWAI	7000.00	10-AUG-95	1
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4. Inserting values into borrow table

L201	ANIL	VRCE	1000.00
L206	MEHUL	AJNI	5000.00
L311	SUNIL	DHARAMPETH	3000.00
L321	MADHURI	ANDHERI	2000.00
L371	PRAMOD	VIRAR	8000.00
L481	KRANTI	NEHRU PLACE	3000.00

Commands

create database myaccount;

use myaccount

create table customer(CNAME varchar(15)primary key,CITY
varchar(20) NOT NULL);

create table branch(BNAME VARCHAR(20) PRIMARY
KEY,CITY VARCHAR(30) CHECK(CITY
IN('NAGPUR','DELHI','BANGLORE','BOMBAY'))NOT NULL);

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);

CREATE TABLE DEPOSIT (ACTNO VARCHAR(5) CHECK (ACTNO LIKE 'D%') PRIMARY KEY ,CNAME

VARCHAR(15) REFERENCES

CUSTOMER(CNAME) ,BNAME

VARCHAR(20) REFERENCES

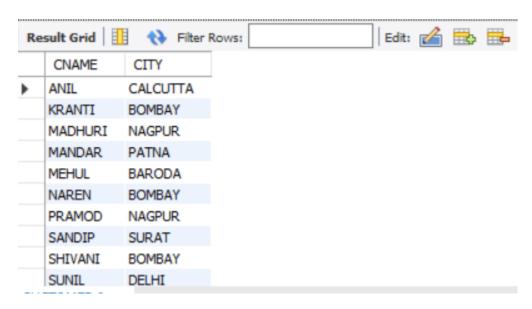
BRANCH(BNAME), AMOUNT FLOAT(8) CHECK (AMOUNT>0) NOT NULL, ADATE DATE);

INSERT INTO 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');

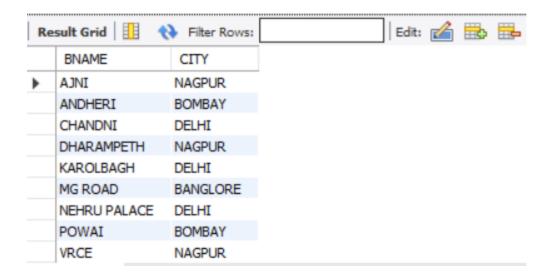
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INSERT INTO BRANCH VALUES('VRCE', 'NAGPUR'):
INSERT INTO BRANCH VALUES('AJNI', 'NAGPUR');
INSERT INTO BRANCH VALUES ('KAROLBAGH', 'DELHI'):
INSERT INTO BRANCH VALUES ('CHANDNI', 'DELHI');
INSERT INTO BRANCH VALUES('DHARAMPETH', 'NAGPUR');
INSERT INTO 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');
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 branch;
select * from borrow;
select * from deposit;
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OUTPUT

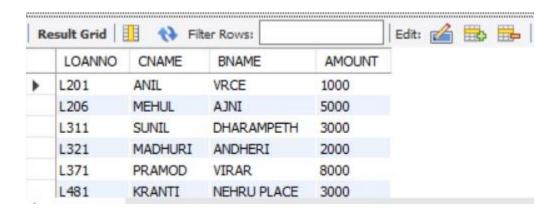
1.Table - CUSTOMER



2. Table - BRANCH



3. Table - BORROW



4. Table - DEPOSIT

