EXPERIMENT NO. 1

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AIM

To study various DDL commands – CREATE TABLES AND INSERT VALUES

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

PROCEDURE

COMMANDS

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

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

3.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);

4.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');

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'); 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, '1-MAR-95');
INSERT INTO DEPOSIT VALUES('D101', 'SUNIL', 'ANJNI', 500.00, '4-JAN96'); INSERT INTO DEPOSIT
VALUES('D102', 'MEHUL', 'KAROLBAGH', 3500.00, '17-NOV95'); INSERT

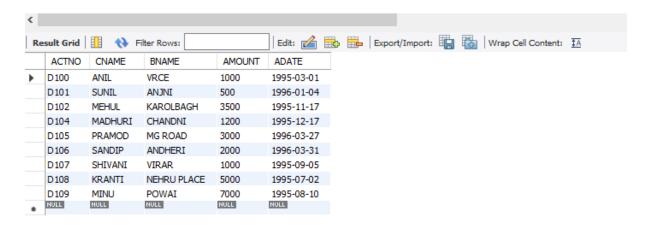
INTO DEPOSIT VALUES('D104', 'MADHURI', 'CHANDNI', 1200.00, '17-DEC-95'); INSERT INTO DEPOSIT VALUES('D105','PRAMOD','MG ROAD',3000.00,'27-MAR-96'); **INSERT** INTO **DEPOSIT** VALUES('D106','SANDIP','ANDHERI',2000.00,'31-MAR-96'); INSERT INTO **DEPOSIT** VALUES('D107','SHIVANI','VIRAR',1000.00,'5-SEP-95');INSERT INTO DEPOSIT VALUES('D108', 'KRANTI', 'NEHRU PLACE', 5000.00, '2-JUL-95');INSERT INTO DEPOSIT VALUES('D109','MINU','POWAI',7000.00,'10-AUG-95');

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

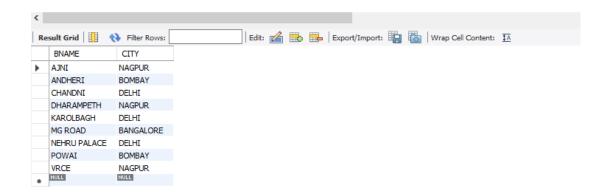
1.DEPOSIT

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1 • SELECT * FROM tables.deposit;
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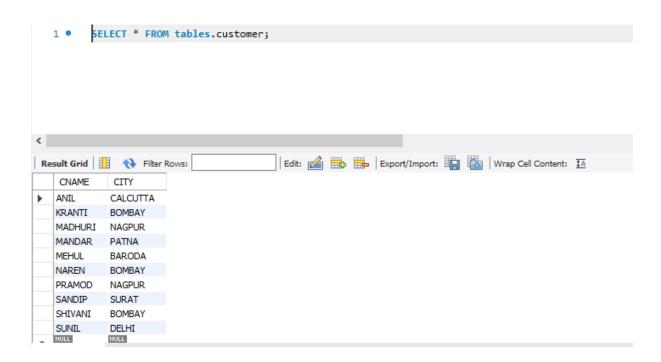


2.BRANCH

1 • SELECT * FROM tables.branch;



3.CUSTOMER



4.BORROW

