ADVANCED DBMS LAB

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Roll No:53

Batch: B

Date:25-03-2022

Experiment No.: 1

AIM

To study various DDL commands – CREATE

QUESTIONS

Create the following tables and insert the 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 VARCHAR (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 DATABASE my_account;

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);

INSERT INTO DEPOSIT VALUES('D100','ANIL','VRCE',1000.00,'1995-03-01') ('D101', 'SUNIL', 'ANJNI',500.00,'1996-01-04'), ('D102','MEHUL','KAROLBAGH',3500.00,'1995-11-17'), ('D104', 'MADHURI','CHANDNI',1200.00,'1995-10-17'), ('D105','PRAMOD','MG ROAD',3000.00,'1996-03-27'), ('D106','SANDIP','ANDHERI',2000.00,'1996-03-31'), ('D107','SHIVANI','VIRAR',1000.00,'1995-09-05'), ('D108','KRANTI','NEHRU PLACE',5000.00,'1995-07-02'), ('D109', 'MINU',' POWAI', 7000.00,'1995-08-10');

2: BRANCH

CREATE TABLE BRANCH(bname varchar(15) PRIMARY KEY,city varchar(30) CHECK (CITY IN ('NAGPUR','DELHI','BANGALORE','BOMBAY')) NOT NULL);

INSERT INTO BRANCH

VALUES('VRCE','NAGPUR'),('AJNI','NAGPUR'),('KAROLBAGH','DELHI'),('CHANDNI','DELHI'),('DHARAMPETH','NAGPUR'),('MG ROAD','BANGALORE'),('ANDHERI','BOMBAY'),('NEHRU PALACE','DELHI'),('POWAI','BOMBAY');

3: CUSTOMER

CREATE TABLE CUSTOMER(cname varchar(15) PRIMARY KEY,city varchar(20) NOT NULL);

INSERT INTO CUSTOMER

VALUES('ANIL','CALCUTTA'),('SUNIL','DELHI'),('MEHUL','BARODA'),('MANDAR','PATNA'),('MADHURI','NAGPUR'),('PRAMOD','NAGPUR'),('SANDIP','SURAT'),('SHIVANI','BOMBAY'),('KRANTI','BOMBAY'),('NAREN','BOMBAY'),('VRCE','NAGPUR'),('AJNI','NAGPUR');

4: BORROW

CREATE TABLE BORROW(loan_no varchar(8) CHECK(loan_no 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('L311','SUNIL','DHARAMPETH',3000.00),('L321','MADHURI','ANDHERI',2000.00),('L371','PRAMOD','VIRAR',8000.00),('L481','KRANTI','NEHRU PLACE',3000.00);

SELECT * FROM DEPOSIT;

SELECT * FROM BRANCH;

SELECT * FROM CUSTOMER;

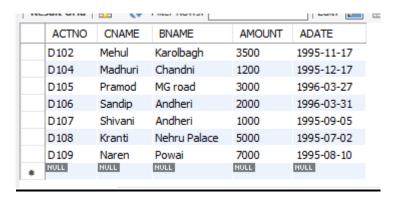
SELECT * FROM BORROW;

Output Screenshot

1: DEPOSIT

D: D: D:	101 102 104	Anil Sunil Mehul Madhuri Pramod	VRCE Ajni Karolbagh Chandni	1000 5000 3500 1200	1995-03-01 1996-01-04 1995-11-17 1995-12-17
D: D:	102 104	Mehul Madhuri	Karolbagh Chandni	3500	1995-11-17
D:	104	Madhuri	Chandni		
D				1200	1995-12-17
	105	Dramod			
D:		rramou	MG road	3000	1996-03-27
	106	Sandip	Andheri	2000	1996-03-31
D:	107	Shivani	Andheri	1000	1995-09-05
D:	108	Kranti	Nehru Palace	5000	1995-07-02
		Naren	Powai	7000	1995-08-10
· NU	JLL	NULL	NULL	NULL	NULL

2: BRANCH



3: CUSTOMER

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	CNAME	CITY	
•	Anil	Calcutta	
	Kranti	Bombay	
	Madhuri	Nagpur	
	Mandar	Patna	
	Mehul	Baroda	
	Naren	Bombay	
	Pramod	Nagpur	
	Sandip	Surat	
	Shivani	Bombay	
	Sunil	Delhi	
	NULL	NULL	

4: BORROW

	LOANNO	CNAME	BNAME	AMOUNT
•	L105	Pramod	MG road	3000
	L201	Anil	VRCE	1000
	L206	Mehul	Ajni	5000
	L311	Sunil	Dharampeth	3000
	L321	Madhuri	Andheri	1200
	L481	Kranti	Nehru Palace	5000
	NULL	NULL	HULL	NULL