EXPERIMENT 2

**Q1. Create following tables for bank database with specific constraint**

Branch (branchname, branchcity, asset)

- city and asset should not null, asset greater than 0

Customer (custname, custstreet, custcity)

- city not null

Account (accnum, branchname, balance)

- balance greater than 500

Loan (loanno, branchname, amount)

- amount greater than 0

Create a relation borrower which is between customer and loan

Create a relation Depositor which is between customer and accnum

Perform following:

1. Add Constraint street not null

2. Add a column phoneNo to customer table.

3. Add column custage to customer table

4. Add Constraint age greater than 18

5. Change the size of the phoneNo to varchar(10).

6. Drop the column phoneNo from customer table.

7. Remove the constraint on age.

ANS:-

CREATE TABLE BRANCH (

Branchname VARCHAR(20) NOT NULL PRIMARY KEY,

Branchcity VARCHAR(20) NOT NULL,

asset NUMBER CHECK (asset > 0) NOT NULL

);

DESCRIBE BRANCH;

CREATE TABLE CUSTOMER1(

Custname VARCHAR(20) PRIMARY KEY,

Custstreet VARCHAR(20),

Custcity VARCHAR(20) NOT NULL

);

DESCRIBE CUSTOMER1;

CREATE TABLE ACCOUNT(

Accnum NUMBER PRIMARY KEY,

Branchname VARCHAR(20),

Balance NUMBER CHECK (Balance > 500)

);

DESCRIBE ACCOUNT;

CREATE TABLE LOAN(

Loanno NUMBER PRIMARY KEY,

Branchname VARCHAR(20),

Ammount NUMBER CHECK(Ammount>0)

);

DESCRIBE LOAN;

ALTER TABLE BRANCH

ADD street VARCHAR(20) NOT NULL;

DESCRIBE BRANCH;

ALTER TABLE CUSTOMER1

ADD Phoneno NUMBER;

DESCRIBE CUSTOMER1;

ALTER TABLE CUSTOMER1

ADD Custage NUMBER;

DESCRIBE CUSTOMER1;

ALTER TABLE CUSTOMER1

ADD CONSTRAINT CustageCheck CHECK (Custage > 18);

DESCRIBE CUSTOMER1;

ALTER TABLE CUSTOMER1

MODIFY Phoneno VARCHAR(10);

DESCRIBE CUSTOMER1;

ALTER TABLE CUSTOMER1

DROP COLUMN Phoneno;

DESCRIBE CUSTOMER1;

ALTER TABLE CUSTOMER1

DROP CONSTRAINT Custagecheck;

DESCRIBE CUSTOMER1;