CREATE TABLE Division (

id INTEGER PRIMARY KEY,

name VARCHAR(20)

);

CREATE TABLE District (

id INTEGER PRIMARY KEY,

name VARCHAR(20),

division\_id INTEGER REFERENCES Division(id)

);

CREATE TABLE Upazilla (

id INTEGER PRIMARY KEY,

name VARCHAR(20),

district\_id INTEGER REFERENCES District(id)

);

CREATE TABLE UnionParishad (

id INTEGER PRIMARY KEY,

name VARCHAR(25),

budget NUMBER(12,2),

district\_id INTEGER REFERENCES Upazilla(id)

);

CREATE TABLE Agent (

id NUMBER(8) PRIMARY KEY,

name VARCHAR(60),

password CHAR(30),

dob DATE,

phoneNo CHAR(12),

permanentAddress VARCHAR(100),

union\_id INTEGER REFERENCES UnionParishad(id)

);

CREATE TABLE Request (

request\_id NUMBER(12) PRIMARY KEY,

farmer\_nid NUMBER(10),

name VARCHAR(60),

password CHAR(30),

dob DATE,

phoneNo CHAR(12),

address VARCHAR(100),

agent\_id NUMBER(8) REFERENCES Agent(id),

type\_id INTEGER REFERENCES FarmerType(type\_id),

loan\_id INTEGER REFERENCES Loan(loan\_id),

approve CHAR(3)

);

CREATE TABLE Loan (

loan\_id INTEGER PRIMARY KEY,

amount NUMBER(10, 2),

deduction NUMBER(7, 3),

tax NUMBER(7, 3)

);

CREATE TABLE FarmerType (

type\_id INTEGER PRIMARY KEY,

title VARCHAR(20)

);

CREATE TABLE Receives (

type\_id INTEGER REFERENCES FarmerType(type\_id),

loan\_id INTEGER REFERENCES Loan(loan\_id),

PRIMARY KEY (type\_id, loan\_id)

);

CREATE TABLE Farmer (

nid NUMBER(10) PRIMARY KEY,

name VARCHAR(60),

password CHAR(30),

due NUMBER(11, 3),

dob DATE,

phoneNo CHAR(12),

address VARCHAR(100),

agent\_id NUMBER(8) REFERENCES Agent(id),

type\_id INTEGER REFERENCES FarmerType(type\_id),

request\_id NUMBER(12) REFERENCES Request(request\_id),

loan\_id INTEGER REFERENCES Loan(loan\_id)

);

CREATE TABLE Products (

product\_id INTEGER PRIMARY KEY,

name VARCHAR(20),

unit\_price NUMBER(8, 2)

);

CREATE TABLE Produces (

type\_id INTEGER REFERENCES FarmerType(type\_id),

product\_id INTEGER REFERENCES Products(product\_id),

PRIMARY KEY (type\_id, product\_id)

);

CREATE TABLE BUYLOG (

bid NUMBER(15) PRIMARY KEY,

agent\_id NUMBER(8) REFERENCES AGENT(ID),

farmer\_id NUMBER(10) REFERENCES FARMER(NID),

product\_id INTEGER REFERENCES PRODUCTS(PRODUCT\_ID),

quantity NUMBER(10,2),

date\_time DATE

);

CREATE TABLE SellLog (

sid NUMBER(15) PRIMARY KEY,

agent\_id NUMBER(8) REFERENCES AGENT(ID),

buyer\_id NUMBER(10) REFERENCES BUYER(NID),

product\_id INTEGER REFERENCES PRODUCTS(PRODUCT\_ID),

quantity NUMBER(10,2),

date\_time DATE

);

CREATE TABLE Buyer (

nid NUMBER(10) PRIMARY KEY,

name VARCHAR(60),

dob DATE,

phoneno VARCHAR(12),

agent\_id NUMBER(8) REFERENCES AGENT(ID)

);

CREATE TABLE INVENTORY(

union\_id INTEGER REFERENCES UNIONPARISHAD(ID),

product\_id INTEGER REFERENCES PRODUCTS(PRODUCT\_ID),

quantity NUMBER(11,2),

PRIMARY KEY (UNION\_ID,PRODUCT\_ID)

);

CREATE TABLE FarmerFeedback(

feedback\_id NUMBER(12) PRIMARY KEY,

details VARCHAR(1500),

date\_time DATE,

read CHAR(3),

farmer\_id NUMBER(10) REFERENCES FARMER(NID)

);

CREATE TABLE AgentFeedback(

feedback\_id NUMBER(12) PRIMARY KEY,

details VARCHAR(1500),

date\_time DATE,

read CHAR(3),

agent\_id NUMBER(8) REFERENCES AGENT(ID)

);