DROP TABLE USERS;

DROP TABLE HISTORY;

CREATE TABLE USERS

(

USER\_ID NUMBER(38) CONSTRAINT USER\_ID\_NN NOT NULL,

USER\_NAME VARCHAR2(255) CONSTRAINT USER\_NAME\_NN NOT NULL,

USER\_PHOTO VARCHAR2(255) CONSTRAINT USER\_PHOTO\_NN NOT NULL,

USER\_FATHER\_NAME VARCHAR2(255) CONSTRAINT FATHER\_NN NOT NULL,

USER\_MOTHER\_NAME VARCHAR2(255) CONSTRAINT MOTHER\_NN NOT NULL,

USER\_GENDER VARCHAR2(255) CONSTRAINT GENDER\_NN NOT NULL,

USER\_DOB DATE CONSTRAINT USER\_DOB\_NN NOT NULL,

USER\_NID VARCHAR2(255) CONSTRAINT USER\_NID\_NN NOT NULL,

USER\_MOBILE\_NO VARCHAR2(255) CONSTRAINT USER\_MOBILE\_NN NOT NULL,

USER\_PASSWORD VARCHAR2(255)CONSTRAINT USER\_PASSWORD\_NN NOT NULL,

CONSTRAINT CHECK\_USER\_GENDER CHECK (USER\_GENDER IN('male','female')),

CONSTRAINT PK\_USER\_ID PRIMARY KEY(USER\_ID)

);

CREATE TABLE HISTORY

(

HISTORY\_ID NUMBER(38),

TYPE\_ID NUMBER(38),

TRANSICTION\_ID NUMBER(38),

TRANSICTION\_TIME DATE,

TRANSICTION\_AMMOUNT NUMBER,

CONSTRAINT PK\_HISTORY\_ID PRIMARY KEY(HISTORY\_ID),

CONSTRAINT FK\_TYPE\_ID\_HIS FOREIGN KEY(TYPE\_ID) REFERENCES HISTORY\_TYPE(TYPE\_ID)

);

CREATE TABLE HISTORY\_TYPE

(

TYPE\_ID NUMBER(38),

TYPE\_NAME VARCHAR2(255),

CONSTRAINT PK\_HISTORY\_TYPE PRIMARY KEY(TYPE\_ID)

);

DROP TABLE CASH\_OUT;

DROP TABLE CASH\_IN;

DROP TABLE SEND\_MONEY;

DROP TABLE PAY\_UTILITY\_BILL;

DROP TABLE MOBILE\_RECHARGE;

DROP TABLE PAYMENT;

DROP TABLE CUSTOMER;

DROP TABLE AGENT;

DROP TABLE MARCHENTS;

DROP TABLE OFFERS;

CREATE TABLE CUSTOMER

(

CUSTOMER\_ID NUMBER(38),

CUSTOMER\_BALANCE NUMBER,

CONSTRAINT PK\_CUSTOMER\_ID PRIMARY KEY (CUSTOMER\_ID),

CONSTRAINT FK\_CUSTOMER\_ID FOREIGN KEY (CUSTOMER\_ID) REFERENCES USERS(USER\_ID)

);

CREATE TABLE AGENT

(

AGENT\_ID NUMBER(38),

AGENT\_BANK\_AC NUMBER(38),

AGENT\_BALANCE NUMBER,

CONSTRAINT PK\_AGENT\_ID PRIMARY KEY (AGENT\_ID),

CONSTRAINT FK\_AGENT\_ID FOREIGN KEY (AGENT\_ID) REFERENCES USERS(USER\_ID)

);

CREATE TABLE CASH\_OUT

(

CUSTOMER\_ID NUMBER(38),

AGENT\_ID NUMBER(38),

HISTORY\_ID NUMBER(38),

CONSTRAINT PK\_CASH\_OUT PRIMARY KEY (CUSTOMER\_ID,AGENT\_ID,HISTORY\_ID),

CONSTRAINT FK\_CUSTOMER\_ID\_C\_O FOREIGN KEY (CUSTOMER\_ID) REFERENCES CUSTOMER(CUSTOMER\_ID),

CONSTRAINT FK\_AGENT\_ID\_C\_O FOREIGN KEY (AGENT\_ID) REFERENCES AGENT(AGENT\_ID),

CONSTRAINT FK\_HISTORY\_ID\_C\_O FOREIGN KEY (HISTORY\_ID) REFERENCES HISTORY(HISTORY\_ID)

);

CREATE TABLE SEND\_MONEY

(

FROM\_CUSTOMER\_ID NUMBER(38),

TO\_CUSTOMER\_ID NUMBER(38),

HISTORY\_ID NUMBER(38),

CONSTRAINT PK\_SEND\_MONEY PRIMARY KEY (FROM\_CUSTOMER\_ID,TO\_CUSTOMER\_ID,HISTORY\_ID),

CONSTRAINT FK\_FROM\_CUSTOMER\_ID\_S\_M FOREIGN KEY (FROM\_CUSTOMER\_ID) REFERENCES CUSTOMER(CUSTOMER\_ID),

CONSTRAINT FK\_TO\_CUSTOMER\_ID\_S\_M FOREIGN KEY (TO\_CUSTOMER\_ID) REFERENCES CUSTOMER(CUSTOMER\_ID),

CONSTRAINT FK\_HISTORY\_ID\_S\_M FOREIGN KEY (HISTORY\_ID) REFERENCES HISTORY(HISTORY\_ID)

);

CREATE TABLE OFFERS

(

OFFER\_ID NUMBER(38),

DISCOUNT\_PARCENT NUMBER,

CONSTRAINT PK\_OFFER\_ID PRIMARY KEY (OFFER\_ID),

CONSTRAINT CHECK\_DISCOUNT\_PARCENT CHECK (DISCOUNT\_PARCENT BETWEEN 0 AND 100)

);

CREATE TABLE MARCHENTS

(

MARCHENT\_ID NUMBER(38),

MARCHENT\_BRANCH\_ID NUMBER(38),

MARCHENT\_NAME VARCHAR2(255),

MARCHENT\_LOGO\_IMAGE VARCHAR2(255),

MARCHENT\_BANK\_AC\_NO NUMBER(38),

OFFER\_ID NUMBER(38) NULL,

CONSTRAINT PK\_MARCHENTS PRIMARY KEY (MARCHENT\_ID,MARCHENT\_BRANCH\_ID),

CONSTRAINT FK\_OFFER\_ID\_MARCHENTS FOREIGN KEY (OFFER\_ID) REFERENCES OFFERS(OFFER\_ID)

);

DROP TABLE PAYMENT;

CREATE TABLE PAYMENT

(

MARCHENT\_ID NUMBER(38),

MARCHENT\_BRANCH\_ID NUMBER(38),

USER\_ID NUMBER(38),

HISTORY\_ID NUMBER(38),

CONSTRAINT PK\_PAYMENT\_ PRIMARY KEY(USER\_ID,HISTORY\_ID,MARCHENT\_ID),

CONSTRAINT FK\_USER\_ID\_PAYMENT FOREIGN KEY(USER\_ID) REFERENCES USERS(USER\_ID),

CONSTRAINT FK\_HISTORY\_ID\_PAYMENT FOREIGN KEY(HISTORY\_ID) REFERENCES HISTORY(HISTORY\_ID),

CONSTRAINT FK\_MARCHENT\_ID\_PAYMENT FOREIGN KEY(MARCHENT\_ID,MARCHENT\_BRANCH\_ID) REFERENCES MARCHENTS(MARCHENT\_ID,MARCHENT\_BRANCH\_ID)

);

CREATE TABLE CASH\_IN

(

CUSTOMER\_ID NUMBER(38),

AGENT\_ID NUMBER(38),

HISTORY\_ID NUMBER(38),

CONSTRAINT PK\_CASH\_IN PRIMARY KEY (CUSTOMER\_ID,AGENT\_ID,HISTORY\_ID),

CONSTRAINT FK\_CUSTOMER\_ID\_C\_I FOREIGN KEY (CUSTOMER\_ID) REFERENCES CUSTOMER(CUSTOMER\_ID),

CONSTRAINT FK\_AGENT\_ID\_C\_I FOREIGN KEY (AGENT\_ID) REFERENCES AGENT(AGENT\_ID),

CONSTRAINT FK\_HISTORY\_ID\_C\_I FOREIGN KEY (HISTORY\_ID) REFERENCES HISTORY(HISTORY\_ID)

);

CREATE TABLE MOBILE\_OPERATOR

(

OPERATOR\_ID NUMBER(38),

OPERATOR\_NAME VARCHAR2(255),

OPERATOR\_BANK\_AC\_NO NUMBER(38),

CONSTRAINT PK\_MOBILE\_OPERATOR PRIMARY KEY(OPERATOR\_ID)

);

DROP TABLE MOBILE\_RECHARGE;

CREATE TABLE MOBILE\_RECHARGE

(

OPERATOR\_ID NUMBER(38),

USER\_ID NUMBER(38),

HISTORY\_ID NUMBER(38),

CONSTRAINT PK\_MOBILE\_RECHARGE PRIMARY KEY(OPERATOR\_ID,USER\_ID,HISTORY\_ID),

CONSTRAINT FK\_OPERATOR\_ID\_RECHARGE FOREIGN KEY(OPERATOR\_ID) REFERENCES MOBILE\_OPERATOR(OPERATOR\_ID),

CONSTRAINT FK\_USER\_ID\_RECHARGE FOREIGN KEY(USER\_ID) REFERENCES USERS(USER\_ID),

CONSTRAINT FK\_HISTORY\_ID\_RECHARGE FOREIGN KEY(HISTORY\_ID) REFERENCES HISTORY(HISTORY\_ID)

);

CREATE TABLE UTILITY\_SERVICE

(

SERVICE\_ID NUMBER(38),

SERVICE\_NAME VARCHAR2(255),

SERVICE\_BANK\_AC\_NO NUMBER(38),

CONSTRAINT PK\_UTILITY\_SERVICE PRIMARY KEY(SERVICE\_ID)

);

CREATE TABLE PAY\_UTILITY\_BILL

(

SERVICE\_ID NUMBER(38),

USER\_ID NUMBER(38),

HISTORY\_ID NUMBER(38),

CONSTRAINT PK\_PAY\_UTILITY\_BILL PRIMARY KEY(SERVICE\_ID,USER\_ID,HISTORY\_ID),

CONSTRAINT FK\_USER\_ID\_PAY\_U\_B FOREIGN KEY(USER\_ID) REFERENCES USERS(USER\_ID),

CONSTRAINT FK\_HISTORY\_ID\_PAY\_U\_B FOREIGN KEY(HISTORY\_ID) REFERENCES HISTORY(HISTORY\_ID),

CONSTRAINT FK\_SERVICE\_ID\_PAY\_U\_B FOREIGN KEY(SERVICE\_ID) REFERENCES

UTILITY\_SERVICE(SERVICE\_ID)

);