**PHONE\_NUMBER:**

CREATE TABLE PHONE\_NUMBER

(

PID VARCHAR2(5) PRIMARY KEY,

PHONE VARCHAR2(11) NOT NULL

);

DESC PHONE\_NUMBER ;

**ADDRESS:**

CREATE TABLE ADDRESS

(

AID VARCHAR2(5) PRIMARY KEY,

H\_NO NUMBER (4,0) NOT NULL,

STREET NUMBER (3,0) NOT NULL,

CITY VARCHAR2 (255) NOT NULL

);

DESC ADDRESS;

**ORGAN\_BANK:**

CREATE TABLE ORGAN\_BANK

(

OBID VARCHAR2(6) PRIMARY KEY,

OB\_NAME VARCHAR2(255) NOT NULL,

AID VARCHAR2(5) NOT NULL,

FOREIGN KEY (AID) REFERENCES ADDRESS (AID)

);

DESC ORGAN\_BANK;

**ORGAN:**

CREATE TABLE ORGAN

(

OID VARCHAR2 (5) PRIMARY KEY,

BLOOD\_GROUP VARCHAR2 (3) CHECK (BLOOD\_GROUP IN ('A+', 'B+', 'O+', 'AB+', 'A-', 'B-', 'O-', 'AB-')) NOT NULL,

ORGAN\_TYPE VARCHAR2 (255) NOT NULL,

OS\_DATE DATE NOT NULL,

OBID VARCHAR2(6) NOT NULL,

FOREIGN KEY (OBID) REFERENCES ORGAN\_BANK (OBID)

);

DESC ORGAN;

**DONOR:**

CREATE TABLE DONOR

(

DID VARCHAR2(5) PRIMARY KEY,

D\_NAME VARCHAR2(255) DEFAULT 'NAME HIDDEN',

AGE NUMBER (3) NOT NULL,

BLOOD\_GROUP VARCHAR2 (3) CHECK (BLOOD\_GROUP IN ('A+', 'B+', 'O+', 'AB+', 'A-', 'B-', 'O-', 'AB-')) NOT NULL,

GENDER VARCHAR2(255) CHECK (GENDER IN ('MALE', 'FEMALE', 'OTHER')) NOT NULL,

OID VARCHAR2 (5) NOT NULL,

PID VARCHAR2 (5) NOT NULL,

AID VARCHAR2 (5) NOT NULL,

FOREIGN KEY (OID) REFERENCES ORGAN(OID),

FOREIGN KEY (PID) REFERENCES PHONE\_NUMBER (PID),

FOREIGN KEY (AID) REFERENCES ADDRESS (AID)

);

DESC DONOR;

**RECIPTIONIST:**

CREATE TABLE RECIPTIONIST

(

RID VARCHAR2(5) PRIMARY KEY,

R\_NAME VARCHAR2 (255) NOT NULL,

OBID VARCHAR2(6) NOT NULL,

PID VARCHAR2 (5) NOT NULL,

AID VARCHAR2 (5) NOT NULL,

FOREIGN KEY (OBID) REFERENCES ORGAN\_BANK (OBID),

FOREIGN KEY (PID) REFERENCES PHONE\_NUMBER (PID),

FOREIGN KEY (AID) REFERENCES ADDRESS (AID)

);

DESC RECIPTIONIST;

**MANAGER:**

CREATE TABLE MANAGER

(

MID VARCHAR2 (5) PRIMARY KEY NOT NULL,

M\_NAME VARCHAR2 (255) NOT NULL,

EMAIL\_ID VARCHAR2 (255) NOT NULL,

OBID VARCHAR2(6) NOT NULL,

PID VARCHAR2 (5) NOT NULL,

AID VARCHAR2 (5) NOT NULL,

FOREIGN KEY (OBID) REFERENCES ORGAN\_BANK (OBID),

FOREIGN KEY (PID) REFERENCES PHONE\_NUMBER (PID),

FOREIGN KEY (AID) REFERENCES ADDRESS (AID)

);

DESC MANAGER;

**HOSPITAL:**

CREATE TABLE HOSPITAL

(

HID VARCHAR2 (5) PRIMARY KEY NOT NULL,

H\_NAME VARCHAR2 (255) NOT NULL,

NO\_OF\_ORDER NUMBER (3) NOT NULL,

ISSUE\_DATE DATE NOT NULL,

OBID VARCHAR2(6) NOT NULL,

PID VARCHAR2 (5) NOT NULL,

AID VARCHAR2 (5) NOT NULL,

FOREIGN KEY (OBID) REFERENCES ORGAN\_BANK (OBID),

FOREIGN KEY (PID) REFERENCES PHONE\_NUMBER (PID),

FOREIGN KEY (AID) REFERENCES ADDRESS (AID)

);

DESC HOSPITAL;