DROP TABLE Hospital CASCADE CONSTRAINTS;

CREATE TABLE Hospital (

hospital\_id NUMBER,

h\_name VARCHAR2(100),

h\_phone VARCHAR2(20),

operation\_hours VARCHAR2(100),

h\_address VARCHAR2(200),

CONSTRAINT pk\_hospital PRIMARY KEY (hospital\_id)

);

DROP TABLE Patient CASCADE CONSTRAINTS;

CREATE TABLE Patient (

patient\_id NUMBER,

FirstName VARCHAR2(100),

LastName VARCHAR2(100),

p\_blood\_group VARCHAR2(50),

gender VARCHAR2(50),

hos\_id NUMBER,

CONSTRAINT pk\_patient PRIMARY KEY (patient\_id),

CONSTRAINT fk\_hospital FOREIGN KEY (hos\_id) REFERENCES Hospital(hospital\_id)

);

DROP TABLE MobileNumbers CASCADE CONSTRAINTS;

CREATE TABLE MobileNumbers (

mobile\_id INT PRIMARY KEY,

p\_id INT NOT NULL,

mobile\_number VARCHAR2(20),

CONSTRAINT fk\_p\_id FOREIGN KEY (p\_id)

REFERENCES Patient(patient\_id)

ON DELETE CASCADE

);

DROP TABLE Blood\_Camp CASCADE CONSTRAINTS;

CREATE TABLE Blood\_Camp (

bc\_id NUMBER NOT NULL,

bc\_operation\_hours VARCHAR2(100),

bc\_name VARCHAR2(100),

start\_date DATE,

end\_date DATE,

PRIMARY KEY (bc\_id)

);

DROP TABLE Blood\_Stored CASCADE CONSTRAINTS;

CREATE TABLE Blood\_stored (

bs\_id NUMBER NOT NULL,

expiry\_date DATE,

blood\_type VARCHAR2(10),

stored\_blood\_quantity NUMBER,

bc\_id NUMBER,

CONSTRAINT pk\_blood\_stored PRIMARY KEY (bs\_id),

CONSTRAINT fk\_bc\_id FOREIGN KEY (bc\_id)

REFERENCES Blood\_Camp(bc\_id)

ON DELETE CASCADE

);

DROP TABLE Blood\_Bank CASCADE CONSTRAINTS;

CREATE TABLE Blood\_Bank (

bb\_id NUMBER NOT NULL,

bb\_operation\_hours VARCHAR2(100),

bb\_phone VARCHAR2(20),

bb\_name VARCHAR2(100),

PRIMARY KEY (bb\_id)

);

DROP TABLE Inventory CASCADE CONSTRAINTS;

CREATE TABLE Inventory (

inventory\_id NUMBER NOT NULL,

quantity NUMBER,

blood\_type VARCHAR2(10),

expiry\_date DATE,

bb\_id NUMBER, -- Added the bb\_id column to reference Blood\_Bank(bb\_id)

PRIMARY KEY (inventory\_id),

CONSTRAINT fk\_bb\_id FOREIGN KEY (bb\_id)

REFERENCES Blood\_Bank(bb\_id)

ON DELETE CASCADE

);

DROP TABLE Request CASCADE CONSTRAINTS;

CREATE TABLE Request (

req\_id NUMERIC NOT NULL,

req\_quantity NUMERIC NOT NULL,

blood\_group VARCHAR(10) NOT NULL,

hospital\_id NUMERIC,

bb\_id NUMERIC,

bc\_id NUMERIC,

PRIMARY KEY (req\_id),

CONSTRAINT fk\_hospital\_request FOREIGN KEY (hospital\_id) REFERENCES Hospital (hospital\_id) ON DELETE CASCADE,

CONSTRAINT fk\_blood\_bank\_request FOREIGN KEY (bb\_id) REFERENCES Blood\_Bank (bb\_id) ON DELETE CASCADE,

CONSTRAINT fk\_blood\_camp\_request FOREIGN KEY (bc\_id) REFERENCES Blood\_Camp (bc\_id) ON DELETE CASCADE

);

DROP TABLE Donor CASCADE CONSTRAINTS;

CREATE TABLE Donor (

donor\_id NUMBER NOT NULL,

donor\_name VARCHAR2(100),

gender VARCHAR2(10),

age NUMBER,

date\_of\_last\_donation DATE,

bb\_id NUMBER,

bc\_id NUMBER,

PRIMARY KEY (donor\_id),

CONSTRAINT fk\_blood\_bank\_donor FOREIGN KEY (bb\_id) REFERENCES Blood\_Bank (bb\_id) ON DELETE CASCADE,

CONSTRAINT fk\_blood\_camp\_donor FOREIGN KEY (bc\_id) REFERENCES Blood\_Camp (bc\_id) ON DELETE CASCADE

);

DROP TABLE Admits CASCADE CONSTRAINTS;

CREATE TABLE Admits (

patient\_id NUMBER NOT NULL,

admitted\_date DATE,

hospital\_id NUMBER NOT NULL,

PRIMARY KEY (patient\_id, hospital\_id),

CONSTRAINT fk\_patient\_admits FOREIGN KEY (patient\_id) REFERENCES Patient (patient\_id),

CONSTRAINT fk\_hospital\_admits FOREIGN KEY (hospital\_id) REFERENCES Hospital (hospital\_id)

);

DROP TABLE Send\_to\_bc CASCADE CONSTRAINTS;

CREATE TABLE Send\_to\_bc (

req\_id NUMBER NOT NULL,

bc\_id NUMBER NOT NULL,

bc\_sent\_date DATE,

PRIMARY KEY (req\_id, bc\_id),

CONSTRAINT fk\_request\_tobc FOREIGN KEY (req\_id) REFERENCES Request (req\_id),

CONSTRAINT fk\_blood\_camp FOREIGN KEY (bc\_id) REFERENCES Blood\_Camp (bc\_id)

);

DROP TABLE Send\_to\_bb CASCADE CONSTRAINTS;

CREATE TABLE Send\_to\_bb (

req\_id NUMBER NOT NULL,

bb\_id NUMBER NOT NULL,

bb\_sent\_date DATE,

PRIMARY KEY (req\_id, bb\_id),

CONSTRAINT fk\_request FOREIGN KEY (req\_id) REFERENCES Request (req\_id),

CONSTRAINT fk\_blood\_bank\_tobb FOREIGN KEY (bb\_id) REFERENCES Blood\_Bank (bb\_id)

);

DROP VIEW Patient\_View;

CREATE VIEW Patient\_View AS

SELECT FirstName, LastName, FirstName || ' ' || LastName AS Name

FROM Patient;