**Common Solution by Mahad ali awan:-**

create table Donor\_Data

(

Donor\_Name varchar(20) NOT NULL,

Donor\_Id varchar(50) NOT NULL Primary Key ,

Donor\_Blood\_Group varchar(50) NOT NULL,

Donor\_Medical\_report varchar(50) NOT NULL,

Donor\_Address varchar(20) NOT NULL,

Donor\_contact varchar(20) NOT NULL

);

create table Patient\_Data

(

Patient\_Name varchar(20) NOT NULL,

Patient\_Id varchar(100) NOT NULL Primary Key ,

Patient\_Blood\_Group varchar(50) NOT NULL,

Patient\_Disease varchar(50) NOT NULL

);

create table Blood\_Bank\_Data

(

Serial\_No varchar(20) NOT NULL,

Blood\_Bank\_Name varchar(100) NOT NULL,

Blood\_Bank\_Address varchar(50) NOT NULL,

Blood\_Bank\_Contact\_Number varchar(50) NOT NULL,

Donor\_Id varchar(50) NOT NULL References Donor\_Data(Donor\_Id)

);

INSERT into Donor\_Data

(

Donor\_Name,Donor\_Id,Donor\_Blood\_Group,Donor\_Medical\_report,Donor\_Address,Donor\_contact

)

VALUES

(‘Azid', N'1001', N'A+', N'Positive',N'Lahore,Pakistan',N'0333-4049000'),

(‘Ahmad’, N'1002', N'B+', N'Positive',N'Abbottabad,Pakistan',N'0333-4047001'),

(‘Hadi’, N'1003', N'O-', N'Positive',N'Islamabad,Pakistan',N'0333-4029004'),

(‘ALiyan’, N'1004', N'A+', N'Negitive',N'Haripur,Pakistan',N'0333-4049040')

INSERT into Blood\_Bank\_Data

(

Serial\_No,

Blood\_Bank\_Name,

Blood\_Bank\_Address,

Blood\_Bank\_Contact\_Number,

Donor\_Id

)

VALUES

(‘S\_01’, ‘Ammar Blood Bank’, ‘lahore’, ‘0992-093945’,’1001’),

(‘S\_02’, ‘Al-shifa Blood Bank’, ‘Abbottabad’, ‘0992-912334’,’1002’),

(‘S\_03’, ‘Hamza Blood Bnak’, ‘HariPur’, ‘0992-123123’,’1004’),

(‘S\_04’, ‘Hassan Blood Bank’, ‘Islamabad’, ‘0992-123432’,’1003’);

INSERT into Blood\_Bank\_Data

(

Serial\_No,

Blood\_Bank\_Name,

Blood\_Bank\_Address,

Blood\_Bank\_Contact\_Number,

Donor\_Id

)

VALUES

(N'S\_01', N'Ammar Blood Bank', N'Abbottabad,Pakistan', N'0992-0023450',N'1002'),

(N'S\_02', N'Al-shifa Blood Bank',N'Haripur,pakistan', N'0992-900983',N'1004'),

(N'S\_03', N'Hamza Blood Bnak', N'islamabad,Pakistan', N'0992-452345',N'1003'),

(N'S\_04', N'Hassan Blood Bank', N'Lahore,Pakistan', N'0992-986019',N'1001');

Individual solution:-

1-)Hamza Bin Ahmad

create table Donor\_Data

(

Donor\_Name varchar(20) NOT NULL,

Donor\_Id varchar(50) NOT NULL Primary Key ,

Donor\_Blood\_Group varchar(50) NOT NULL,

Donor\_Medical\_report varchar(50) NOT NULL,

Donor\_Address varchar(20) NOT NULL,

Donor\_contact varchar(20) NOT NULL

);

create table Patient\_Data

(

Patient\_Name varchar(20) NOT NULL,

Patient\_Id varchar(100) NOT NULL Primary Key ,

Patient\_Blood\_Group varchar(50) NOT NULL,

Patient\_Disease varchar(50) NOT NULL

);

create table Blood\_Bank\_Data

(

Serial\_No varchar(20) NOT NULL,

Blood\_Bank\_Name varchar(100) NOT NULL,

Blood\_Bank\_Address varchar(50) NOT NULL,

Blood\_Bank\_Contact\_Number varchar(50) NOT NULL,

Donor\_Id varchar(50) NOT NULL References Donor\_Data(Donor\_Id)

);

DATA:

INSERT into Donor\_Data

(

Donor\_Name,Donor\_Id,Donor\_Blood\_Group,Donor\_Medical\_report,Donor\_Address,Donor\_contact

)

VALUES

(N'Hamza', N'1001', N'A+', N'Positive',N'Lahore,Pakistan',N'0333-4049000'),

(N'Ahmed', N'1002', N'B+', N'Positive',N'Abbottabad,Pakistan',N'0333-4047001'),

(N'Zain', N'1003', N'O-', N'Positive',N'Islamabad,Pakistan',N'0333-4029004'),

(N'inam', N'1004', N'A+', N'Negitive',N'HariPur,Pakistan',N'0333-4049040')

INSERT into Blood\_Bank\_Data

(

Serial\_No,

Blood\_Bank\_Name,

Blood\_Bank\_Address,

Blood\_Bank\_Contact\_Number,

Donor\_Id

)

VALUES

(N'S\_01', N'AMMAR Blood Bank', N'lahore', N'0992-093945',N'1001'),

(N'S\_02', N'Tariq Blood Bank', N'Abbottabad', N'0992-912334',N'1002'),

(N'S\_03', N'Rauf Blood Bank', N'HariPur', N'0992-123123',N'1004'),

(N'S\_04', N'Shifa Blood Bank', N'Islamabad', N'0992-123432',N'1003');

INSERT into Blood\_Bank\_Data

(

Serial\_No,

Blood\_Bank\_Name,

Blood\_Bank\_Address,

Blood\_Bank\_Contact\_Number,

Donor\_Id

)

VALUES

(N'S\_01', N'Ammar Blood Bank', N'Abbottabad,Pakistan', N'0992-0023450',N'1002'),

(N'S\_02', N'Al-shifa Blood Bank',N'Haripur,pakistan', N'0992-900983',N'1004'),

(N'S\_03', N'Hamza Blood Bnak', N'islamabad,Pakistan', N'0992-452345',N'1003'),

(N'S\_04', N'Hassan Blood Bank', N'Lahore,Pakistan', N'0992-986019',N'1001');

2-)Sharjeel Khan Niazi

create table Donor\_Data

(

Donor\_Name varchar(20) NOT NULL,

Donor\_Id varchar(50) NOT NULL Primary Key ,

Donor\_Blood\_Group varchar(50) NOT NULL,

Donor\_Medical\_report varchar(50) NOT NULL,

Donor\_Address varchar(20) NOT NULL,

Donor\_contact varchar(20) NOT NULL

);

create table Patient\_Data

(

Patient\_Name varchar(20) NOT NULL,

Patient\_Id varchar(100) NOT NULL Primary Key ,

Patient\_Blood\_Group varchar(50) NOT NULL,

Patient\_Disease varchar(50) NOT NULL

);

create table Blood\_Bank\_Data

(

Serial\_No varchar(20) NOT NULL,

Blood\_Bank\_Name varchar(100) NOT NULL,

Blood\_Bank\_Address varchar(50) NOT NULL,

Blood\_Bank\_Contact\_Number varchar(50) NOT NULL,

Donor\_Id varchar(50) NOT NULL References Donor\_Data(Donor\_Id)

);

DATA:

INSERT into Donor\_Data

(

Donor\_Name,Donor\_Id,Donor\_Blood\_Group,Donor\_Medical\_report,Donor\_Address,Donor\_contact

)

VALUES

(N'Hamza', N'1001', N'A+', N'Positive',N'Lahore,Pakistan',N'0333-4049000'),

(N'Ahmed', N'1002', N'B+', N'Positive',N'Abbottabad,Pakistan',N'0333-4047001'),

(N'Zain', N'1003', N'O-', N'Positive',N'Islamabad,Pakistan',N'0333-4029004'),

(N'inam', N'1004', N'A+', N'Negitive',N'HariPur,Pakistan',N'0333-4049040')

INSERT into Blood\_Bank\_Data

(

Serial\_No,

Blood\_Bank\_Name,

Blood\_Bank\_Address,

Blood\_Bank\_Contact\_Number,

Donor\_Id

)

VALUES

(N'S\_01', N'AMMAR Blood Bank', N'lahore', N'0992-093945',N'1001'),

(N'S\_02', N'Tariq Blood Bank', N'Abbottabad', N'0992-912334',N'1002'),

(N'S\_03', N'Rauf Blood Bank', N'HariPur', N'0992-123123',N'1004'),

(N'S\_04', N'Shifa Blood Bank', N'Islamabad', N'0992-123432',N'1003');

INSERT into Blood\_Bank\_Data

(

Serial\_No,

Blood\_Bank\_Name,

Blood\_Bank\_Address,

Blood\_Bank\_Contact\_Number,

Donor\_Id

)

VALUES

(N'S\_01', N'Ammar Blood Bank', N'Abbottabad,Pakistan', N'0992-0023450',N'1002'),

(N'S\_02', N'Al-shifa Blood Bank',N'Haripur,pakistan', N'0992-900983',N'1004'),

(N'S\_03', N'Hamza Blood Bnak', N'islamabad,Pakistan', N'0992-452345',N'1003'),

(N'S\_04', N'Hassan Blood Bank', N'Lahore,Pakistan', N'0992-986019',N'1001');

3-)Hanzala Shahid

create table Donor\_Data

(

Donor\_Name varchar(20) NOT NULL,

Donor\_Id varchar(50) NOT NULL Primary Key ,

Donor\_Blood\_Group varchar(50) NOT NULL,

Donor\_Medical\_report varchar(50) NOT NULL,

Donor\_Address varchar(20) NOT NULL,

Donor\_contact varchar(20) NOT NULL

);

create table Patient\_Data

(

Patient\_Name varchar(20) NOT NULL,

Patient\_Id varchar(100) NOT NULL Primary Key ,

Patient\_Blood\_Group varchar(50) NOT NULL,

Patient\_Disease varchar(50) NOT NULL

);

create table Blood\_Bank\_Data

(

Serial\_No varchar(20) NOT NULL,

Blood\_Bank\_Name varchar(100) NOT NULL,

Blood\_Bank\_Address varchar(50) NOT NULL,

Blood\_Bank\_Contact\_Number varchar(50) NOT NULL,

Donor\_Id varchar(50) NOT NULL References Donor\_Data(Donor\_Id)

);

DATA:

INSERT into Donor\_Data

(

Donor\_Name,Donor\_Id,Donor\_Blood\_Group,Donor\_Medical\_report,Donor\_Address,Donor\_contact

)

VALUES

(N'Hamza', N'1001', N'A+', N'Positive',N'Lahore,Pakistan',N'0333-4049000'),

(N'Ahmed', N'1002', N'B+', N'Positive',N'Abbottabad,Pakistan',N'0333-4047001'),

(N'Zain', N'1003', N'O-', N'Positive',N'Islamabad,Pakistan',N'0333-4029004'),

(N'inam', N'1004', N'A+', N'Negitive',N'HariPur,Pakistan',N'0333-4049040')

INSERT into Blood\_Bank\_Data

(

Serial\_No,

Blood\_Bank\_Name,

Blood\_Bank\_Address,

Blood\_Bank\_Contact\_Number,

Donor\_Id

)

VALUES

(N'S\_01', N'AMMAR Blood Bank', N'lahore', N'0992-093945',N'1001'),

(N'S\_02', N'Tariq Blood Bank', N'Abbottabad', N'0992-912334',N'1002'),

(N'S\_03', N'Rauf Blood Bank', N'HariPur', N'0992-123123',N'1004'),

(N'S\_04', N'Shifa Blood Bank', N'Islamabad', N'0992-123432',N'1003');

INSERT into Blood\_Bank\_Data

(

Serial\_No,

Blood\_Bank\_Name,

Blood\_Bank\_Address,

Blood\_Bank\_Contact\_Number,

Donor\_Id

)

VALUES

(N'S\_01', N'Ammar Blood Bank', N'Abbottabad,Pakistan', N'0992-0023450',N'1002'),

(N'S\_02', N'Al-shifa Blood Bank',N'Haripur,pakistan', N'0992-900983',N'1004'),

(N'S\_03', N'Hamza Blood Bnak', N'islamabad,Pakistan', N'0992-452345',N'1003'),

(N'S\_04', N'Hassan Blood Bank', N'Lahore,Pakistan', N'0992-986019',N'1001');

4-)Abdullah Noor Niazi

CREATE DATABASE blood\_group;

USE blood\_group;

CREATE TABLE data\_of\_patient(

patient\_id INT NOT NULL AUTO\_INCREMENT PRIMARY KEY,

patient\_name VARCHAR(100) NOT NULL,

patient\_blood\_group VARCHAR(5) NOT NULL,

patient\_disease VARCHAR(100) NOT NULL

);

INSERT INTO data\_of\_patient(patient\_name, patient\_blood\_group, patient\_disease)

VALUES ('Lana Rhoades', 'A+', 'Blood Cancer'),

('Emily Grey', 'O+', 'Scleroderma'),

('Angela White', 'O-', 'Rheumatoid arthritis (RA)');

CREATE TABLE data\_of\_donor(

donor\_Id INT NOT NULL AUTO\_INCREMENT,

donor\_name VARCHAR(100) NOT NULL PRIMARY KEY,

donor\_blood\_group VARCHAR(5) NOT NULL,

donor\_medical\_report VARCHAR(50) NOT NULL,

donor\_address VARCHAR(150) NOT NULL,

donor\_contact\_number BIGINT NOT NULL

);

INSERT INTO data\_of\_donor(donor\_name,donor\_blood\_group,donor\_medical\_report,donor\_address,donor\_contact\_number)

VALUES ('Hamza', 'A+', 'Positive', 'Kohat Pakistan', 03359613399),

('Junaid', 'O-', 'positive', 'Multan Pakistan', 03348252422),

('Hassan', 'AB+', 'Negative', 'Abbottabad Pakistan', 03348255994);

CREATE TABLE data\_of\_blood\_bank(

blood\_bank\_name VARCHAR(100) NOT NULL,

blood\_bank\_address VARCHAR(100) NOT NULL,

blood\_bank\_contact\_number BIGINT NOT NULL,

blood\_bank\_donor\_name VARCHAR(100),

FOREIGN KEY(blood\_bank\_donor\_name) REFERENCES data\_of\_donor(donor\_name)

);

INSERT INTO data\_of\_blood\_bank(blood\_bank\_name, blood\_bank\_adress, blood\_bank\_contact\_number, blood\_bank\_donor\_name)

VALUES ('Rotary Blood Bank', 'Peshawar Pakistan', 09229654321),

('Friends2support', 'Islamabad Pakistan', 09223856720),

('No More Thalassemia', 'Peshawar Pakistan', 09226591046);

5-)Hamza Aslam:-

**Table:**

Create table Donor-Data

(

Donor -name varchar (30) NOT NULL,

Donor-ID varchar (20) NOT NULL Primary Key,

Donor-Blood-Group varchar (20) NOT NULL,

Donor-Medical-Report varchar (60) NOT NULL,

Donor-Address varchar (40) NOT NULL,

Donor-Contact varchar (20) NOT NULL,

);

Create Table Patient-Data

(

Patient -name varchar (30) NOT NULL,

Patient-ID varchar (20) NOT NULL Primary Key,

Patient-Blood-Group varchar (20) NOT NULL,

Patient-Disease varchar (30) NOT NULL,

);

Create table Blood-Bank-Data

(

Serial-no varchar (20) NOT NULL,

Blood-Bank-name varchar (30) NOT NULL,

Blood-Bank-Address varchar (40) NOT NULL,

Blood-Bank-Contact varchar (20) NOT NULL,

Donor-Id varchar (20) NOT NULL, References Donor-Data (Donor-ID)

);

DATA:

INSERT into Donor-Data

(

Donor-Name, Donor-ID, Donor-Blood-Group, Donor-Medical-Report- Donor-Address, Donor-contact)

Values:

INSERT into Blood-Bank-Data

(

Serial No,

Blood-Bank-Name,

Blood-Bank-Address.

Blood-Bank-Contact,

Donor-ID,

)

Values

(N’S-01, N’ Wasif Blood Bank’, N’ Rawalpindi’, N’ 0302-5478699’, N’1154’),

(N’S-02, N’ Sagar Blood Bank’, N’ Multan’, N’ 0302-5578214’, N’1178’),

INSERT into Blood-Bank-Data

(

Serial No,

Blood-Bank-Name,

Blood-Bank-Address.

Blood-Bank-Contact,

Donor-ID,

)

Values

(N’S-01, N’ Ali Blood Bank’, N’ Rawalpindi’, N’ 0302-5821479’, N’1174’),

(N’S-02, N’ Nishtar Blood Bank’, N’ Multan’, N’ 0302-0214789’, N’1190’),