Common Solution by Mahad ali awan:-

```sql
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
```

```sql
(
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:

```sql
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');
```

```sql
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

```sql
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:

```sql
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')
```

```sql
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,

```sql
    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);
```