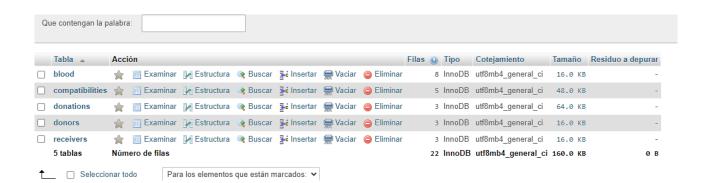
Actividad 6 - Hemodonación

Wuke Zhang

TIPO DE SANGRE	PUEDE DONAR A	PUEDE RECIBIR DE
A+	A+ AB+	O+ O- A+ A-
Α-	A+ A- AB+ AB-	O- A-
B+	B+ AB+	O+ O- B+ B-
B-	B+ B- AB+ AB-	O- B-
AB+	AB+	TODOS
AB-	AB+ AB-	AB- O- A- B-
0+	A+ B+ AB+ O+	O+ O-
0-	TODOS	О-





```
CREATE DATABASE Actividad 6 Hemodonación;
CREATE TABLE Blood(
 id blood INT PRIMARY KEY AUTO INCREMENT,
 type VARCHAR(10) NOT NULL
CREATE TABLE Donors(
  id donor INT PRIMARY KEY AUTO INCREMENT,
 name VARCHAR(15) NOT NULL
);
CREATE TABLE Receivers(
  id receiver INT PRIMARY KEY AUTO INCREMENT,
 name VARCHAR(15) NOT NULL
);
CREATE TABLE Compatibilities(
  id_compatibililty INT PRIMARY KEY AUTO_INCREMENT,
  donor_type_id INT NOT NULL,
  receiver_type_id INT NOT NULL,
 CONSTRAINT FK_Donors_Blood_Compatibilities FOREIGN KEY(donor_type_id)
  REFERENCES Blood(id blood),
 CONSTRAINT FK_Receivers_Blood_Compatibilities FOREIGN KEY(receiver_type_id)
 REFERENCES Blood(id blood)
);
CREATE TABLE Donations(
  id donation INT PRIMARY KEY AUTO INCREMENT,
  receiver id INT NOT NULL,
  donor id INT NOT NULL,
  donated_blood_type_id INT NOT NULL,
  donation dates DATE NOT NULL,
  transfusion dates DATE NOT NULL,
  direction VARCHAR(15) NOT NULL,
  CONSTRAINT FK_Receivers_Donations FOREIGN KEY(receiver_id)
  REFERENCES Receivers(id receiver),
  CONSTRAINT FK_Donors_Donations FOREIGN KEY(donor_id)
 REFERENCES Donors(id_donor),
  CONSTRAINT FK Blood Donations FOREIGN KEY(donated blood type id)
 REFERENCES Blood(id blood)
INSERT INTO Blood (type)
VALUES ('A+'), ('A-'), ('B+'), ('B-'),
('AB+'), ('AB-'), ('O+'), ('O-');
INSERT INTO Donors (name)
VALUES('Pepe'),('Antu'),('Joaco');
```

INSERT INTO Receivers (name) VALUES('Koke'),('Mendoza'),('Monosable');

INSERT INTO Compatibilities (donor_type_id,receiver_type_id)
VALUES(1,1),(1,5),(3,3),(3,5),(5,5);

INSERT INTO Donations (receiver_id, donor_id, donated_blood_type_id,
donation_dates, transfusion_dates, direction)

VALUES

(1, 3, 5, '2017-06-15', '2017-06-16', 'Tamaraceite'),

(2, 1, 1, '2017-06-1', '2017-06-2', 'Telde'),

(3, 2, 3, '2017-01-15', '2017-02-01', 'Vecindario');

$^{\prime}/^{st}$ All the donations with his respective donated blood type $^{st}/$

SELECT * FROM `Donations`

JOIN Blood ON id blood=donated blood_type_id;



I/* All the compatibilities with his respective type *//

SELECT * FROM `compatibilities`

JOIN blood AS donor blood ON donor blood.id blood = donor type id

JOIN blood AS receiver_blood ON receiver_blood.id_blood = receiver_type_id;

