

SECOND YEAR/4<sup>TH</sup> SEMESTER  
16/08/2021

# BLOOD DONATION SYSTEM

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## OBJECTIVE

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**The main objective of the Blood donation System is to manage the details of Blood Doner, Blood Group, Blood Bank, hospital . It manages all the information about Blood. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the Blood, Donor, Blood Group It tracks all the details about the Blood Group, Blood Bank.**

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## INTRODUCTION

## 2

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**The application of blood donation system is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus, by this all it proves it is user - friendly. Blood donation System, as described above, can lead to error free, secure, reliable and fast system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus, it will help organization in better utilization of resources**

- **Provides the searching facilities based on various factors Such as Blood Bank, Donor.**
- **Blood Donation System also manage the Record details online for doner details, hospital details, Blood Bank.**
- **It tracks all the information of Blood Group, hospital, doner.**

## REQUIREMENTS

3

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### HARDWARE REQUIREMENT:

- **PC OR LAPTOP WITH 250GP OR ABOVE.**
- **PC OR LAPTOP WITH MINIMUM 4GB RAM OR ABOVE.**
- **PC OR LAPTOP WITH CORE I3 OR RYZEN 3 OR ABOVE.**

### SOFTWARE REQUIREMENT:

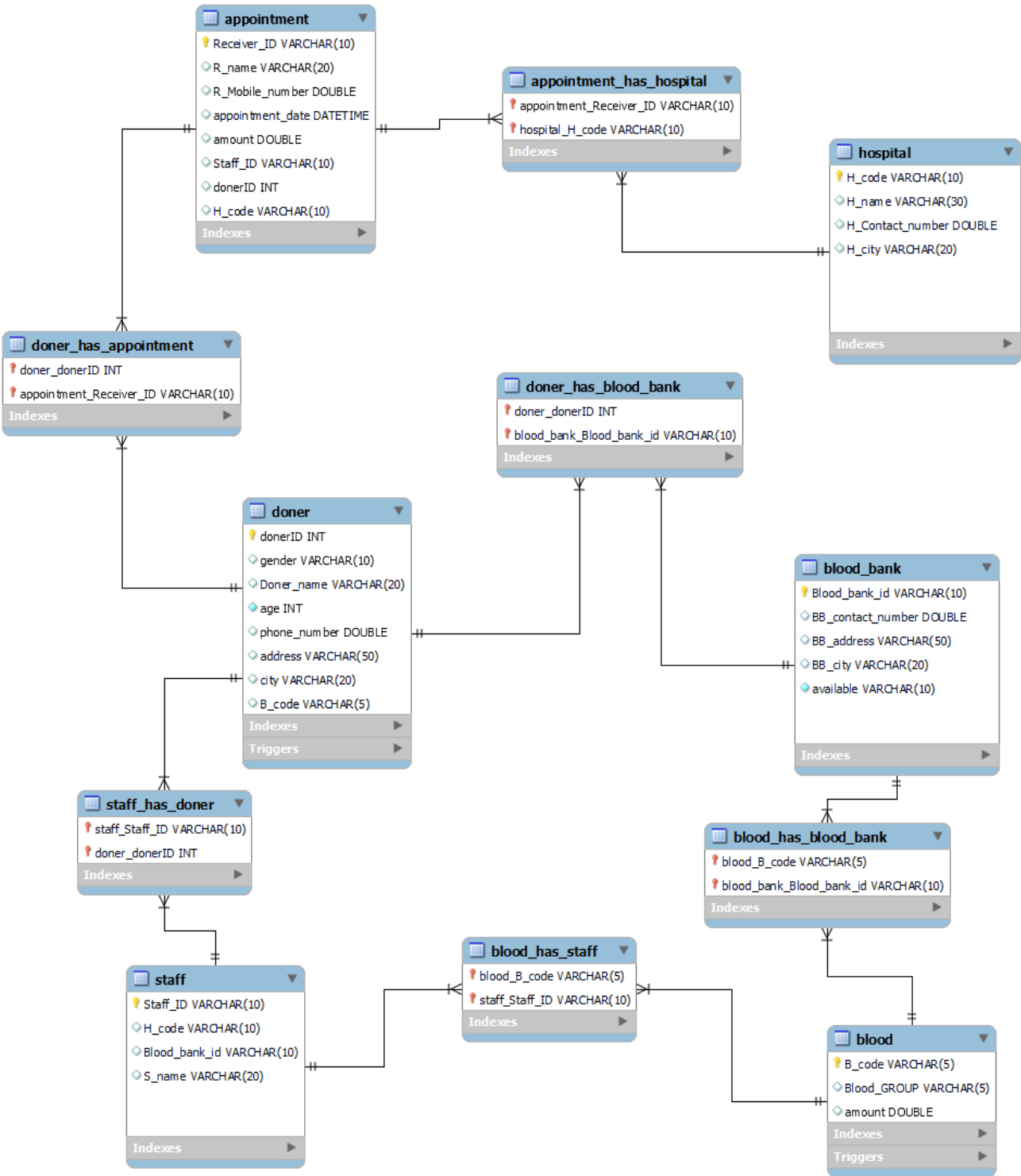
- **MARIADB**
- **MYSQL 8.0**

### FEATURES:

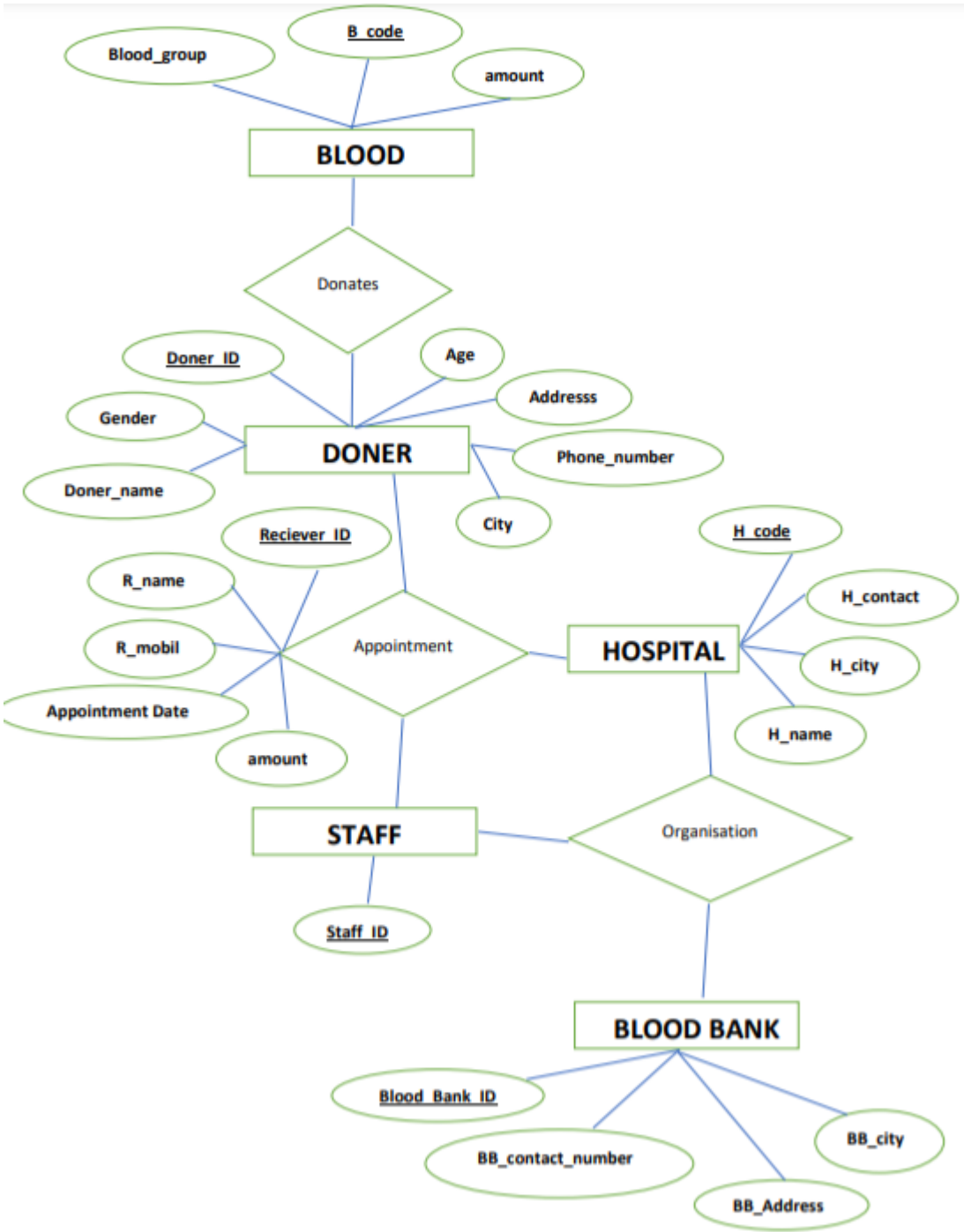
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- **it tracks all the information of Donor, hospital, Blood Bank.**
- **Manage the information of Donor.**
- **Shows the information and description of the Blood, Blood Group.**
- **Provide filter reports on Blood Group, Blood Bank, Stock You can easily export PDF for the Blood.**
- **To increase efficiency of managing the Blood, Donor.**

# SCHEMA DIAGRAM



# ER DIAGRAM:



## OUTPUT & QUERIES

## 6

### TABLE CREATION:

```
CREATE TABLE Blood (  
  B_code VARCHAR(5) PRIMARY KEY,  
  Blood_GROUP VARCHAR(5),  
  amount double  
);  
  
CREATE TABLE Doner(  
  donerID int PRIMARY KEY AUTO_INCREMENT,  
  gender VARCHAR(10),  
  Doner_name VARCHAR(20),  
  age int not null check(age>=18),  
  phone_number real unique,  
  address varchar(50),  
  city varchar(20),  
  B_code VARCHAR(5) REFERENCES Blood ON DELETE CASCADE ON UPDATE CASCADE  
);  
  
CREATE TABLE Blood_Bank(  
  Blood_bank_id varchar(10) PRIMARY KEY,  
  BB_contact_number real,  
  BB_address VARCHAR(50),  
  BB_city varchar(20),  
  available varchar(10) not null  
);  
  
CREATE TABLE Hospital(  
  H_code VARCHAR(10) PRIMARY KEY,  
  H_name VARCHAR(30),  
  H_Contact_number real,  
  H_city varchar(20)  
);  
  
CREATE TABLE Staff(  
  Staff_ID VARCHAR(10) PRIMARY KEY,  
  H_code VARCHAR(10) REFERENCES Hospital ON DELETE CASCADE ON UPDATE CASCADE,  
  Blood_bank_id varchar(10) REFERENCES Blood_Bank ON DELETE CASCADE ON UPDATE  
  CASCADE  
);  
  
alter table Staff add column S_name varchar(20);
```



## BLOOD DONATION SYSTEM

```
CREATE TABLE Appointment(  
    Receiver_ID VARCHAR(10) PRIMARY KEY,  
    R_name varchar(20),  
    R_Mobile_number real,  
    appointment_date DATETIME,  
    amount double,  
    Staff_ID VARCHAR(10) REFERENCES Staff ON DELETE CASCADE ON UPDATE CASCADE,  
    donerID int REFERENCES Doner ON DELETE CASCADE ON UPDATE CASCADE,  
    H_code VARCHAR(10) REFERENCES Hospital ON DELETE CASCADE ON UPDATE CASCADE  
);
```

### TRIGGERS :

```
delimiter //  
CREATE OR REPLACE TRIGGER CheckAge  
BEFORE  
    INSERT ON Doner  
FOR EACH ROW  
BEGIN  
    IF new.age<18 THEN  
        SIGNAL SQLSTATE '45000'  
        set message_text = 'Age should be greater than 18';  
    END IF;  
END//
```

```
CREATE OR REPLACE TRIGGER CheckBloodType  
BEFORE  
    INSERT ON Blood  
FOR EACH ROW  
BEGIN  
    IF new.Blood_GROUP NOT IN('A+', 'A-', 'B+', 'B-', 'AB+', 'AB-', 'O+', 'O-')  
    THEN  
        SIGNAL SQLSTATE '45000'  
        set message_text = 'The blood type entered is incorrect. It  
should be A+, A-, B+, B-, AB+, AB-, O+, O-';  
    END IF;  
END//
```

```
CREATE OR REPLACE TRIGGER CHECK_AVAILABILITY  
AFTER  
    UPDATE ON Blood_bank  
FOR EACH ROW  
BEGIN  
    IF new.Available = 'False' THEN  
        SIGNAL SQLSTATE '45000'  
        set message_text = 'this blood is not available. Kindly check for the  
availability of blood';  
    END IF;  
END//
```

## BLOOD DONATION SYSTEM

### INSERTION PROCESS :

```
insert into blood values
```

```
('B1','A+',1000),  
('B2','A-',1000),  
('B3','B+',1500),  
('B4','B-',1500),  
('B5','AB+',2000),  
('B6','AB-',2000),  
('B7','O+',2500),  
('B8','O-',3000);
```

```
insert into Doner (gender,Doner_name,age,phone_number,address,city,B_code)  
values
```

```
('M','raj',21,7865432182,'no.1 thala thearu','karaikal','B1'),  
('F','ratha',19,8965432182,'no.32 vala thearu','karaikudi','B3'),  
('M','kamal',20,996432182,'no.12 periyar thearu','sirgali','B4'),  
('M','hari',23,6805432182,'no.19 meatu thearu','pondy','B5'),  
('F','anushaw',22,8065432182,'no.11 vada thearu','mayavaram','B2'),  
('F','janani',26,7465432188,'no.10 chinna thearu','nagor','B6'),  
('M','vasanth',21,7865432183,'no.25 paris shreet','chennai','B7'),  
('M','easi',31,9865432182,'no.07 koticherry ','karaikal','B8'),  
('F','mathi',22,9125432182,'no.1 samy street','banglore','B8'),  
('M','prabhu',34,9075432182,'no.1 paris corner ','chennai','B6'),  
('M','DHARUN KUMAR',20,5687628345,'10,PK SALAI','KALAPET','B4'),  
('M','ANABHAYAN',21,2897823543,'2,RK NAGAR','KARAIKAL','B3'),  
('F','MAHA',23,9865864387,'10,GEEVA NAGAR','TREND BRIGDE','B1'),  
('M','JAYACHANDRAN',19,7643598731,'50,ANJANEYAR STREET','KARAIKAL','B2'),  
('F','APARNA',19,8753462176,'21,ABC STREET','THIRUNALLAR','B5'),  
('F','ABINA',25,8678235273,'26,XYZ COLONY','NORTTINGOM','B7'),  
('M','ROHIT SHARMA',30,3648727582,'23,ROBORRY STREET','BANGLORE','B8'),  
('M','ARAVINDH',21,7471587663,'50,IG STREET','PONDYCHERRY','B4'),  
('M','RAVIKUMAR',40,6347646627,'12,ARRAY STANDS','PERRIRIDGE','B2'),  
('F','MONICA',18,8374635410,'52,ANNA SALAI','CHENNAI','B3');
```

## BLOOD DONATION SYSTEM

insert into blood\_bank values

```
('bb1',8765445678,'03, ragiv gandhi nagar','chennai','true'),
('bb2',9765445678,'09, raja street','karaikal','true'),
('bb3',7765445678,'05, kamalesh stret','pondy','false'),
('bb4',6765445678,'21, near IG statue','porayar','true'),
('bb5',9265445675,'13, amman koil street','salam','false'),
('bb6',8285445678,'17, south street','theni','true'),
('bb7',9445445678,'19, aiyanar koil street','velur','true'),
('bb8',965445678,'22, madha koil street','trichi','true'),
('bb9',7565445678,'43, bharathiyar road','kadalur','true'),
('bb10',9968445678,'16, pillayar koil street','thabaram','true'),
('BB11',9873462873,'10,PK SALAI','KALAPET','true'),
('BB12',8761458257,'2,RK NAGAR','KARAIKAL','false'),
('BB13',9442961042,'10,GEEVA NAGAR','TREND BRIGDE','true'),
('BB14',9382020987,'50,ANJANEYAR STREET','T.R PATTINAM','false'),
('BB15',6754824762,'21,ABC STREET','THIRUNALLAR','false'),
('BB16',9182674842,'26,XYZ COLONY','NORTTINGOM','true'),
('BB17',8136548127,'23,ROBORRY STREET','BANGLORE','true'),
('BB18',9786876744,'50,IG STREET','PONDYCHERRY','true'),
('BB19',8726894589,'12,ARRAY STANDS','PERRIRIDGE','false'),
('BB20',8300117231,'52,ANNA SALAI','CHENNAI','false');
```

insert into Hospital(H\_code,H\_Contact\_number,H\_name,H\_city) values

```
('H1',9283764573,'ragiv gandhi Govt.Hospital','chennai'),
('H2',8476526332,'rajaram hospital','karaikal'),
('H3',9877858434,'kamalesh Clinic','pondycherry'),
('H4',6765445678,'Government hospital','porayar'),
('H5',9265445675,'Anabhayan clinic','selam'),
('H6',8285445678,'K.S hospital','theni'),
('H7',9445445678,'Ravikumar hospital','velur'),
('H8',9654456787,'Ranjith Clinic centre','trichi'),
('H9',7678927345,'Government Hospital','kadalur'),
('H10',9968445678,'Uma Maheshwari Health Centre','thabaram'),
('H11',9873462873,'Indra Gandhi PVT.hospital','KALAPET'),
('H12',7984625832,'RK Govt.Hospital','KARAIKAL'),
('H13',9442961042,'rukmini Health Centre','TREND BRIGDE'),
('H14',3487834764,'Government Hospital','T.R PATTINAM'),
('H15',6754824762,'Maha PVT.health centre','THIRUNALLAR'),
('H16',9787876767,'Babu Rajendhiran Clinic','NORTTINGOM'),
('H17',8374385298,'Government Health Centre','BANGLORE'),
('H18',8765753788,'JIPMER','PONDYCHERRY'),
('H19',9856457634,'JIPMER','PERRIRIDGE'),
('H20',7800987653,'ANNA hospital','CHENNAI');
```

## BLOOD DONATION SYSTEM

```
insert into Staff(H_code,Staff_id,s_name,Blood_bank_id) values
('H1','S1','Sugandan','BB2'), ('H2','S2','Aarumugam','BB1'),
('H3','S3','Kamalesh','BB4'), ('H4','S4','Rakesh','BB1'),
('H5','S5','Anabhayan','BB7'), ('H6','S6','Kavitha','BB5'),
('H7','S7','Ravikumar','BB8'), ('H8','S8','Ranjith','BB10'),
('H9','S9','Nishanthi','BB15'), ('H10','S10','Uma Maheshwari','BB3'),
('H11','S11','Indrani','BB6'), ('H12','S12','Amirtha','BB9'),
('H13','S13','rukmini','BB8'), ('H14','S14','Ragavan','BB11'),
('H15','S15','Maha','BB12'), ('H16','S16','Babu Rajendhiran','BB13'),
('H17','S17','Nandhini','BB20'), ('H18','S18','Nehru','BB19'),
('H19','S19','Vignesh','BB16'), ('H20','S20','Aparna','BB14');
```

```
insert into appointment
(H_code,Staff_ID,DonerID,Receiver_ID,R_name,R_Mobile_number,appointment_date
,amount) values
('H1','S1',1,'R1','Raja',9872367344,20200321,5000),
('H2','S2',2,'R3','Aarumugam',8923457853,20201212,10000),
('H3','S3',5,'R6','Kishore',9872346784,20190202,6000),
('H4','S4',10,'R10','Raj',7889783476,20190521,3000),
('H5','S5',3,'R2','anabhayan',9876567812,20191111,6000),
('H6','S6',12,'R7','Vijay',7839243873,20210330,1000),
('H7','S7',4,'R4','Ravikumar',9836473287,20190919,7000),
('H8','S8',6,'R5','Harshini',6472988223,20200228,2500),
('H9','S9',7,'R8','Nishanthi',9239628934,20200919,10000),
('H10','S10',8,'R9','Maheshwari',9678567345,20200530,5000),
('H11','S11',9,'R11','Indran',9567836457,20200110,2000),
('H12','S12',11,'R13','Amir',7234657890,20180120,20000),
('H13','S13',13,'R14','rukmi',9239623890,20170528,1000),
('H14','S14',14,'R15','Ravishastri',9875437115,20180520,1500),
('H15','S15',16,'R17','Maha',9585754354,20190330,2000),
('H16','S16',15,'R16','Babu',7898654563,20210808,15000),
('H17','S17',20,'R20','Devi',7867453265,20210809,12000),
('H18','S18',18,'R12','Nehru',7545679878,20200909,1000),
('H19','S19',19,'R18','Abiram',9197818567,20210321,2000),
('H20','S20',17,'R19','Rajesh',8330001232,20200626,25000);
```

### VIEW:

```
CREATE VIEW my_table as SELECT hospital.h_name, hospital.h_city,
staff.staff_id, staff.S_name, appointment.R_name FROM ((hospital
INNER JOIN staff ON hospital.h_code = staff.h_code)
INNER JOIN appointment ON hospital.h_code = appointment.h_code);
Query OK, 0 rows affected (0.022 sec)
```

## BLOOD DONATION SYSTEM

### VIEW OF TABLES :

select \* from doner

donerID	gender	Doner_name	age	phone_number	address
city	B_code				
1	M	raj	21	7865432182	no.1 thala thearu
karaikal	B1				
2	F	ratha	19	8965432182	no.32 vala thearu
karaikudi	B3				
3	M	kamal	20	996432182	no.12 periyar
thearu	sirgali	B4			
4	M	hari	23	6805432182	no.19 meatu thearu
pondy	B5				
5	F	anushaw	22	8065432182	no.11 vada thearu
mayavaram	B2				
6	F	janani	26	7465432188	no.10 chinna thearu
nagor	B6				
7	M	vasanth	21	7865432183	no.25 paris shreet
chennai	B7				
8	M	easi	31	9865432182	no.07 koticherry
karaikal	B8				
9	F	mathi	22	9125432182	no.1 samy street
banglore	B8				
10	M	prabhu	34	9075432182	no.1 paris corner
chennai	B6				
11	M	DHARUN KUMAR	20	5687628345	10,PK SALAI
KALAPET	B4				
12	M	ANABHAYAN	21	2897823543	2,RK NAGAR
KARAIKAL	B3				
13	F	MAHA	23	9865864387	10,GEEVA NAGAR
TREND BRIGDE	B1				
14	M	JAYACHANDRAN	19	7643598731	50,ANJANEYAR STREET
KARAIKAL	B2				
15	F	APARNA	19	8753462176	21,ABC STREET
THIRUNALLAR	B5				
16	F	ABINA	25	8678235273	26,XYZ COLONY
NORTTINGOM	B7				
17	M	ROHIT SHARMA	30	3648727582	23,ROBORRY STREET
BANGLORE	B8				
18	M	ARAVINDH	21	7471587663	50,IG STREET
PONDYCHERRY	B4				
19	M	RAVIKUMAR	40	6347646627	12,ARRAY STANDS
PERRIRIDGE	B2				
20	F	MONICA	18	8374635410	52,ANNA SALAI
CHENNAI	B3				

## BLOOD DONATION SYSTEM

```
select * from Blood_bank;
```

```
+-----+-----+-----+-----+
--+-----+ Blood_bank_id | BB_contact_number | BB_address
| BB_city   | available |
+-----+-----+-----+-----+
--+-----+
| bb1       |          | 8765445678 | 03, ragiv gandhi nagar | chennai
| true      |          |
| bb10      |          | 9968445678 | 16, pillayar koil street | thabaram
| true      |          |
| BB11      |          | 9873462873 | 10, PK SALAI           | KALAPET
| true      |          |
| BB12      |          | 8761458257 | 2, RK NAGAR            | KARAİKAL
| false     |          |
| BB13      |          | 9442961042 | 10, GEEVA NAGAR        | TREND
BRIGDE | true      |
| BB14      |          | 9382020987 | 50, ANJANEYAR STREET    | T.R
PATTINAM | false    |
| BB15      |          | 6754824762 | 21, ABC STREET          | THIRUNALLAR
| false     |          |
| BB16      |          | 9182674842 | 26, XYZ COLONY          | NORTTINGOM
| true      |          |
| BB17      |          | 8136548127 | 23, ROBORRY STREET      | BANGLORE
| true      |          |
| BB18      |          | 9786876744 | 50, IG STREET           | PONDYCHERRY
| true      |          |
| BB19      |          | 8726894589 | 12, ARRAY STANDS        | PERRIRIDGE
| false     |          |
| bb2       |          | 9765445678 | 09, raja street         | karaikal
| true      |          |
| BB20      |          | 8300117231 | 52, ANNA SALAI          | CHENNAI
| false     |          |
| bb3       |          | 7765445678 | 05, kamalesh stret      | pondy
| false     |          |
| bb4       |          | 6765445678 | 21, near IG statue      | porayar
| true      |          |
| bb5       |          | 9265445675 | 13, amman koil street   | salam
| false     |          |
| bb6       |          | 8285445678 | 17, south street        | theni
| true      |          |
| bb7       |          | 9445445678 | 19, aiyanar koil street | velur
| true      |          |
| bb8       |          | 965445678  | 22, madha koil street   | trichi
| true      |          |
| bb9       |          | 7565445678 | 43, bharathiyar road    | kadalur
| true      |          |
```

## BLOOD DONATION SYSTEM

```
select * from Hospital;
```

H_code	H_name	H_Contact_number	H_city
H1	ragiv gandhi Govt.Hospital	9283764573	chennai
H10	Uma Maheshwari Health Centre	9968445678	thabaram
H11	Indra Gandhi PVT.hospital	9873462873	KALAPET
H12	RK Govt.Hospital	7984625832	KARAIKAL
H13	rukmini Health Centre	9442961042	TREND BRIGDE
H14	Government Hospital	3487834764	T.R PATTINAM
H15	Maha PVT.health centre	6754824762	THIRUNALLAR
H16	Babu Rajendhiran Clinic	9787876767	NORTTINGOM
H17	Government Health Centre	8374385298	BANGLORE
H18	JIPMER	8765753788	PONDYCHERRY
H19	JIPMER	9856457634	PERRIRIDGE
H2	rajaram hospital	8476526332	karaikal
H20	ANNA hospital	7800987653	CHENNAI
H3	kamalesh Clinic	9877858434	pondy cherry
H4	Government hospital	6765445678	porayar
H5	Anabhayan clinic	9265445675	selam
H6	K.S hospital	8285445678	theni
H7	Ravikumar hospital	9445445678	velur
H8	Ranjith Clinic centre	9654456787	trichi
H9	Government Hospital	7678927345	kadalur

```
select * from Staff;
```

Staff_ID	H_code	Blood_bank_id	S_name
S1	H1	BB2	Sugandan
S10	H10	BB3	Uma Maheshwari
S11	H11	BB6	Indrani
S12	H12	BB9	Amirtha
S13	H13	BB8	rukmini
S14	H14	BB11	Ragavan
S15	H15	BB12	Maha
S16	H16	BB13	Babu Rajendhiran
S17	H17	BB20	Nandhini
S18	H18	BB19	Nehru
S19	H19	BB16	Vignesh
S2	H2	BB1	Aarumugam
S20	H20	BB14	Aparna
S3	H3	BB4	Kamalesh
S4	H4	BB1	Rakesh
S5	H5	BB7	Anabhayan
S6	H6	BB5	Kavitha
S7	H7	BB8	Ravikumar
S8	H8	BB10	Ranjith
S9	H9	BB15	Nishanthi

## BLOOD DONATION SYSTEM

```
select * from appointment;
```

Receiver_ID	R_name	R_Mobile_number	appointment_date	amount
Staff_ID	donerID	H_code		
R1	Raja	9872367344	2020-03-21	5000
S1	1   H1			
R10	Raj	7889783476	2019-05-21	3000
S4	10   H4			
R11	Indran	9567836457	2020-01-10	2000
S11	9   H11			
R12	Nehru	7545679878	2020-09-09	1000
S18	18   H18			
R13	Amir	7234657890	2018-01-20	20000
S12	11   H12			
R14	rukmi	9239623890	2017-05-28	1000
S13	13   H13			
R15	Ravishastri	9875437115	2018-05-20	1500
S14	14   H14			
R16	Babu	7898654563	2021-08-08	15000
S16	15   H16			
R17	Maha	9585754354	2019-03-30	2000
S15	16   H15			
R18	Abiram	9197818567	2021-03-21	2000
S19	19   H19			
R19	Rajesh	8330001232	2020-06-26	25000
S20	17   H20			
R2	anabhayan	9876567812	2019-11-11	6000
S5	3   H5			
R20	Devi	7867453265	2021-08-09	12000
S17	20   H17			
R3	Aarumugam	8923457853	2020-12-12	10000
S2	2   H2			
R4	Ravikumar	9836473287	2019-09-19	7000
S7	4   H7			
R5	Harshini	6472988223	2020-02-28	2500
S8	6   H8			
R6	Kishore	9872346784	2019-02-02	6000
S3	5   H3			
R7	Vijay	7839243873	2021-03-30	1000
S6	12   H6			
R8	Nishanthi	9239628934	2020-09-19	10000
S9	7   H9			
R9	Maheshwari	9678567345	2020-05-30	5000
S10	8   H10			



## BLOOD DONATION SYSTEM

```
select * from my_table;
```

h_name	h_city	staff_id	S_name
R_name			
ragiv gandhi Govt.Hospital	chennai	S1	Sugandan
Raja			
Uma Maheshwari Health Centre	thabaram	S10	Uma Maheshwari
Maheshwari			
Indra Gandhi PVT.hospital	KALAPET	S11	Indrani
Indran			
RK Govt.Hospital	KARAIKAL	S12	Amirtha
Amir			
rukmini Health Centre	TREND BRIGDE	S13	rukmini
rukmi			
Government Hospital	T.R PATTINAM	S14	Ragavan
Ravishastri			
Maha PVT.health centre	THIRUNALLAR	S15	Maha
Maha			
Babu Rajendhiran Clinic	NORTTINGOM	S16	Babu Rajendhiran
Babu			
Government Health Centre	BANGLORE	S17	Nandhini
Devi			
JIPMER	PONDYCHERRY	S18	Nehru
Nehru			
JIPMER	PERRIRIDGE	S19	Vignesh
Abiram			
rajaram hospital	karaikal	S2	Aarumugam
Aarumugam			
ANNA hospital	CHENNAI	S20	Aparna
Rajesh			
kamalesh Clinic	pondyerry	S3	Kamalesh
Kishore			
Government hospital	porayar	S4	Rakesh
Raj			
Anabhayan clinic	selam	S5	Anabhayan
anabhayan			
K.S hospital	theni	S6	Kavitha
Vijay			
Ravikumar hospital	velur	S7	Ravikumar
Ravikumar			
Ranjith Clinic centre	trichi	S8	Ranjith
Harshini			
Government Hospital	kadalur	S9	Nishanthi
Nishanthi			

## BLOOD DONATION SYSTEM

```
select * from Blood;;
```

B_code	Blood_GROUP	amount
B1	A+	1000
B2	A-	1000
B3	B+	1500
B4	B-	1500
B5	AB+	2000
B6	AB-	2000
B7	O+	2500
B8	O-	3000

### QUERIES :

```
select blood_bank_id, BB_contact_number from blood_bank where BB_city = 'karaikal';
```

blood_bank_id	BB_contact_number
BB12	8761458257
bb2	9765445678

BLOOD DONATION SYSTEM

```
select donerID,gender,doner_name from doner where age>=20;
```

donerID	gender	doner_name	
+-----+	+-----+	+-----+	+
1	M	raj	
3	M	kamal	
4	M	hari	
5	F	anushaw	
6	F	janani	
7	M	vasanth	
8	M	easi	
9	F	mathi	
10	M	prabhu	
11	M	DHARUN KUMAR	
12	M	ANABHAYAN	
13	F	MAHA	
16	F	ABINA	
17	M	ROHIT SHARMA	
18	M	ARAVINDH	
19	M	RAVIKUMAR	
+-----+	+-----+	+-----+	+

BLOOD DONATION SYSTEM

```
select distinct city from doner;
```

+-----+	
city	
+-----+	
karaikal	
karaikudi	
sirgali	
pondy	
mayavaram	
nagor	
chennai	
banglore	
KALAPET	
TREND BRIGDE	
THIRUNALLAR	
NORTTINGOM	
PONDYCHERRY	
PERRIRIDGE	
+-----+	

```
select count(b_code) from doner;
```

+-----+	
count(b_code)	
+-----+	
20	
+-----+	

```
select count(blood_GROUP ) as total_NO_Blood from blood;
```

+-----+	
total_NO_Blood	
+-----+	
8	
+-----+	

BLOOD DONATION SYSTEM

```
select * from blood_bank limit 10,20;
```

+-----+-----+-----+-----+				
Blood_bank_id		BB_contact_number	BB_address	
BB_city		available		
+-----+-----+-----+-----+				
-----+-----+				
BB19		8726894589	12,ARRAY STANDS	
PERRIRIDGE	false			
bb2		9765445678	09, raja street	
karaikal	true			
BB20		8300117231	52,ANNA SALAI	
CHENNAI	false			
bb3		7765445678	05, kamalesh stret	pondy
false				
bb4		6765445678	21, near IG statue	
porayar	true			
bb5		9265445675	13, amman koil street	salam
false				
bb6		8285445678	17, south street	theni
true				
bb7		9445445678	19, aiyanar koil street	velur
true				
bb8		965445678	22, madha koil street	
trichi	true			
bb9		7565445678	43, bharathiyar road	
kadalur	true			
+-----+-----+-----+-----+				
-----+-----+				

```
select max(age) from doner;
```

+-----+	
max(age)	
+-----+	
	40
+-----+	

## BLOOD DONATION SYSTEM

```
select avg(age) from doner;
```

```
+-----+
| avg(age) |
+-----+
|  23.7500 |
+-----+
```

```
select min(age) from doner;
```

```
+-----+
| min(age) |
+-----+
|        18 |
+-----+
```

```
select gender, count(donerID) as total from doner group by gender;
```

```
+-----+-----+
| gender | total |
+-----+-----+
| M      |    12 |
| F      |     8 |
+-----+-----+
```

```
select doner_name from doner where doner_name like 'ra%';
```

```
+-----+
| doner_name |
+-----+
| raj        |
| ratha      |
| RAVIKUMAR  |
+-----+
```

BLOOD DONATION SYSTEM

```
select doner_name,age from doner where age between 18 and 25;
```

doner_name	age
raj	21
ratha	19
kamal	20
hari	23
anushaw	22
vasanth	21
mathi	22
DHARUN KUMAR	20
ANABHAYAN	21
MAHA	23
JAYACHANDRAN	19
APARNA	19
ABINA	25
ARAVINDH	21
MONICA	18

## BLOOD DONATION SYSTEM

```
Select
blood_bank.blood_bank_id,blood_bank.BB_contact_number,doner.donerID,d
oner.age from blood_bank right join doner on blood_bank.BB_city =
doner.city;
```

blood_bank_id	BB_contact_number	donerID	age
bb2	9765445678	1	21
BB12	8761458257	1	21
NULL	NULL	2	19
NULL	NULL	3	20
bb3	7765445678	4	23
NULL	NULL	5	22
NULL	NULL	6	26
BB20	8300117231	7	21
bb1	8765445678	7	21
bb2	9765445678	8	31
BB12	8761458257	8	31
BB17	8136548127	9	22
BB20	8300117231	10	34
bb1	8765445678	10	34
BB11	9873462873	11	20
bb2	9765445678	12	21
BB12	8761458257	12	21
BB13	9442961042	13	23
bb2	9765445678	14	19
BB12	8761458257	14	19
BB15	6754824762	15	19
BB16	9182674842	16	25
BB17	8136548127	17	30
BB18	9786876744	18	21
BB19	8726894589	19	40
BB20	8300117231	20	18
bb1	8765445678	20	18



## BLOOD DONATION SYSTEM

```
Select
blood_bank.blood_bank_id,blood_bank.BB_contact_number,doner.donerID,d
oner.age from blood_bank right join doner on blood_bank.BB_city =
doner.city;
```

blood_bank_id	BB_contact_number	donerID	age
bb2	9765445678	1	21
BB12	8761458257	1	21
NULL	NULL	2	19
NULL	NULL	3	20
bb3	7765445678	4	23
NULL	NULL	5	22
NULL	NULL	6	26
BB20	8300117231	7	21
bb1	8765445678	7	21
bb2	9765445678	8	31
BB12	8761458257	8	31
BB17	8136548127	9	22
BB20	8300117231	10	34
bb1	8765445678	10	34
BB11	9873462873	11	20
bb2	9765445678	12	21
BB12	8761458257	12	21
BB13	9442961042	13	23
bb2	9765445678	14	19
BB12	8761458257	14	19
BB15	6754824762	15	19
BB16	9182674842	16	25
BB17	8136548127	17	30
BB18	9786876744	18	21
BB19	8726894589	19	40
BB20	8300117231	20	18
bb1	8765445678	20	18

BLOOD DONATION SYSTEM

```
select
blood_bank.blood_bank_id,blood_bank.BB_contact_number,doner.donerID,doner.age from
blood_bank left join doner on blood_bank.BB_city = doner.city;
```

blood_bank_id	BB_contact_number	donerID	age
bb1	8765445678	20	18
bb1	8765445678	10	34
bb1	8765445678	7	21
bb10	9968445678	NULL	NULL
BB11	9873462873	11	20
BB12	8761458257	14	19
BB12	8761458257	12	21
BB12	8761458257	8	31
BB12	8761458257	1	21
BB13	9442961042	13	23
BB14	9382020987	NULL	NULL
BB15	6754824762	15	19
BB16	9182674842	16	25
BB17	8136548127	17	30
BB17	8136548127	9	22
BB18	9786876744	18	21
BB19	8726894589	19	40
bb2	9765445678	14	19
bb2	9765445678	12	21
bb2	9765445678	8	31
bb2	9765445678	1	21
BB20	8300117231	20	18
BB20	8300117231	10	34
BB20	8300117231	7	21
bb3	7765445678	4	23
bb4	6765445678	NULL	NULL
bb5	9265445675	NULL	NULL
bb6	8285445678	NULL	NULL
bb7	9445445678	NULL	NULL
bb8	965445678	NULL	NULL
bb9	7565445678	NULL	NULL

## BLOOD DONATION SYSTEM

```
select count(Blood_GROUP) from Blood where Blood_GROUP='O+';
```

```
+-----+
| count(Blood_GROUP) |
+-----+
|                1 |
+-----+
```

```
select donerID from doner inner join blood_bank on doner.donerID =
blood_bank.blood_bank_id;
Empty set
```

```
select donerId,Doner_name, gender,age from doner where age >= 60;
Empty set
```

```
select doner_name,age,(case when gender='M' then 4 when gender='F' then 3
end ) as AMT_OF_BLOOD from doner;
```

```
+-----+-----+-----+
| doner_name | age | AMT_OF_BLOOD |
+-----+-----+-----+
| raj        | 21 | 4 |
| ratha      | 19 | 3 |
| kamal      | 20 | 4 |
| hari       | 23 | 4 |
| anushaw    | 22 | 3 |
| janani     | 26 | 3 |
| vasanth    | 21 | 4 |
| easi       | 31 | 4 |
| mathi      | 22 | 3 |
| prabhu     | 34 | 4 |
| DHARUN KUMAR | 20 | 4 |
| ANABHAYAN  | 21 | 4 |
| MAHA       | 23 | 3 |
| JAYACHANDRAN | 19 | 4 |
| APARNA     | 19 | 3 |
| ABINA      | 25 | 3 |
| ROHIT SHARMA | 30 | 4 |
| ARAVINDH   | 21 | 4 |
| RAVIKUMAR  | 40 | 4 |
| MONICA     | 18 | 3 |
+-----+-----+-----+
```

```
select B_code, Blood_GROUP,amount from Blood where Blood_GROUP='A+';
```

```
+-----+-----+-----+
| B_code | Blood_GROUP | amount |
+-----+-----+-----+
| B1     | A+          | 1000 |
+-----+-----+-----+
```

## BLOOD DONATION SYSTEM

```
select H_code, H_name, H_contact_number, H_city from Hospital where  
H_city='PONDYCHERRY';
```

H_code	H_name	H_contact_number	H_city
H18	JIPMER	8765753788	PONDYCHERRY
H3	kamalesh Clinic	9877858434	pondycherry

```
select donerId, doner_name, age from doner where city='Chennai';
```

donerId	doner_name	age
7	vasanth	21
10	prabhu	34
20	MONICA	18

```
select donerId, Doner_name, gender from doner where gender='M';
```

donerId	Doner_name	gender
1	raj	M
3	kamal	M
4	hari	M
7	vasanth	M
8	easi	M
10	prabhu	M
11	DHARUN KUMAR	M
12	ANABHAYAN	M
14	JAYACHANDRAN	M
17	ROHIT SHARMA	M
18	ARAVINDH	M
19	RAVIKUMAR	M

## BLOOD DONATION SYSTEM

```
select b.Blood_bank_id,b.BB_address,s.staff_ID from Blood_bank b inner join Staff s
on b.Blood_bank_id= s.Blood_bank_id;
```

Blood_bank_id	BB_address	staff_ID
bb1	03, ragiv gandhi nagar	S2
bb1	03, ragiv gandhi nagar	S4
bb10	16, pillayar koil street	S8
BB11	10,PK SALAI	S14
BB12	2,RK NAGAR	S15
BB13	10,GEEVA NAGAR	S16
BB14	50,ANJANEYAR STREET	S20
BB15	21,ABC STREET	S9
BB16	26,XYZ COLONY	S19
BB19	12,ARRAY STANDS	S18
bb2	09, raja street	S1
BB20	52,ANNA SALAI	S17
bb3	05, kamalesh stret	S10
bb4	21, near IG statue	S3
bb5	13, amman koil street	S6
bb6	17, south street	S11
bb7	19, aiyanar koil street	S5
bb8	22, madha koil street	S13
bb8	22, madha koil street	S7
bb9	43, bharathiyar road	S12

```
select h.H_code,h.H_name,Staff_ID,S_name from Hospital H inner join Staff s
on h.H_code= s.H_code;
```

H_code	H_name	Staff_ID	S_name
H1	ragiv gandhi Govt.Hospital	S1	Sugandan
H10	Uma Maheshwari Health Centre	S10	Uma Maheshwari
H11	Indra Gandhi PVT.hospital	S11	Indrani
H12	RK Govt.Hospital	S12	Amirtha
H13	rukmini Health Centre	S13	rukmini
H14	Government Hospital	S14	Ragavan
H15	Maha PVT.health centre	S15	Maha
H16	Babu Rajendhiran Clinic	S16	Babu Rajendhiran
H17	Government Health Centre	S17	Nandhini
H18	JIPMER	S18	Nehru
H19	JIPMER	S19	Vignesh
H2	rajaram hospital	S2	Aarumugam
H20	ANNA hospital	S20	Aparna
H3	kamalesh Clinic	S3	Kamalesh
H4	Government hospital	S4	Rakesh
H5	Anabhayan clinic	S5	Anabhayan
H6	K.S hospital	S6	Kavitha
H7	Ravikumar hospital	S7	Ravikumar
H8	Ranjith Clinic centre	S8	Ranjith
H9	Government Hospital	S9	Nishanthi

## BLOOD DONATION SYSTEM

```
select d.donerId,d.doner_name,a.Receiver_ID,a.R_name from doner d inner join
appointment a on d.donerId = a.donerId;
```

donerId	doner_name	Receiver_ID	R_name
1	raj	R1	Raja
10	prabhu	R10	Raj
9	mathi	R11	Indran
18	ARAVINDH	R12	Nehru
11	DHARUN KUMAR	R13	Amir
13	MAHA	R14	rukmi
14	JAYACHANDRAN	R15	Ravishastri
15	APARNA	R16	Babu
16	ABINA	R17	Maha
19	RAVIKUMAR	R18	Abiram
17	ROHIT SHARMA	R19	Rajesh
3	kamal	R2	anabhayan
20	MONICA	R20	Devi
2	ratha	R3	Aarumugam
4	hari	R4	Ravikumar
6	janani	R5	Harshini
5	anushaw	R6	Kishore
12	ANABHAYAN	R7	Vijay
7	vasanth	R8	Nishanthi
8	easi	R9	Maheshwari

```
select d.donerId,d.doner_name,d.B_code,b.Blood_GROUP from doner d inner join Blood
b on d.B_code=b.B_code;
```

donerId	doner_name	B_code	Blood_GROUP
1	raj	B1	A+
13	MAHA	B1	A+
5	anushaw	B2	A-
14	JAYACHANDRAN	B2	A-
19	RAVIKUMAR	B2	A-
2	ratha	B3	B+
12	ANABHAYAN	B3	B+
20	MONICA	B3	B+
3	kamal	B4	B-
11	DHARUN KUMAR	B4	B-
18	ARAVINDH	B4	B-
4	hari	B5	AB+
15	APARNA	B5	AB+
6	janani	B6	AB-
10	prabhu	B6	AB-
7	vasanth	B7	O+
16	ABINA	B7	O+
8	easi	B8	O-
9	mathi	B8	O-
17	ROHIT SHARMA	B8	O-

## BLOOD DONATION SYSTEM

```
select amount from blood where Blood_group='AB+';
```

```
+-----+
| amount |
+-----+
|   2000 |
+-----+
```

```
select * from doner where B_code = 'B7';
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
| donerID | gender | Doner_name | age | phone_number | address |
city      | B_code |
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
|      7 | M      | vasanth    | 21 | 7865432183 | no.25 paris shreet |
chennai  | B7     |
|     16 | F      | ABINA      | 25 | 8678235273 | 26,XYZ COLONY      |
NORTTINGOM | B7    |
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
select Doner_name from Doner where age >20 and age <25;
```

```
+-----+
| Doner_name |
+-----+
| raj        |
| hari       |
| anushaw    |
| vasanth    |
| mathi      |
| ANABHAYAN  |
| MAHA       |
| ARAVINDH   |
+-----+
```

```
select * from blood_bank where BB_city='Chennai';
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
| Blood_bank_id | BB_contact_number | BB_address | BB_city |
available |
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
| bb1           | 8765445678 | 03, ragiv gandhi nagar | chennai |
true           |
| BB20          | 8300117231 | 52,ANNA SALAI          | CHENNAI |
false         |
+-----+-----+-----+-----+-----+-----+-----+-----+
```

## BLOOD DONATION SYSTEM

```
select * from doner where Doner_name like 'R%';
```

```
+-----+-----+-----+-----+-----+-----+
+-----+-----+
| donerID | gender | Doner_name | age | phone_number | address |
city      | B_code |
+-----+-----+-----+-----+-----+-----+
+-----+-----+
|      1 | M      | raj        | 21 | 7865432182 | no.1 thala thearu |
karaikal | B1     |
|      2 | F      | ratha      | 19 | 8965432182 | no.32 vala thearu |
karaikudi | B3     |
|     17 | M      | ROHIT SHARMA | 30 | 3648727582 | 23,ROBORRY STREET |
BANGLORE | B8     |
|     19 | M      | RAVIKUMAR  | 40 | 6347646627 | 12,ARRAY STANDS  |
PERRIRIDGE | B2    |
+-----+-----+-----+-----+-----+-----+
+-----+-----+
```

```
select staff.s_name from staff inner join blood_bank on staff.blood_bank_id =
blood_bank.blood_bank_id where available = 'true';
```

```
+-----+
| s_name |
+-----+
| Sugandan |
| Indrani |
| Amirtha |
| rukmini |
| Ragavan |
| Babu Rajendhiran |
| Vignesh |
| Aarumugam |
| Kamalesh |
| Rakesh |
| Anabhayan |
| Ravikumar |
| Ranjith |
+-----+
```

```
select staff.s_name from staff inner join appointment on staff.staff_id =
appointment.staff_id where s_name = r_name;
```

```
+-----+
| s_name |
+-----+
| Nehru |
| Maha |
| Anabhayan |
| Aarumugam |
| Ravikumar |
| Nishanthi |
+-----+
```



BLOOD DONATION SYSTEM

```
select sum(amount) from appointment ;
+-----+
| sum(amount) |
+-----+
|      137000 |
+-----+
```

```
Select * from doner where age>21 and gender = 'F';
+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+
| donerID | gender | Doner_name | age | phone_number | address |
city      | B_code |
+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+
|      5 | F      | anushaw    | 22 | 8065432182 | no.11 vada thearu |
mayavaram | B2     |
|      6 | F      | janani     | 26 | 7465432188 | no.10 chinna thearu |
nagor     | B6     |
|      9 | F      | mathi      | 22 | 9125432182 | no.1 samy street   |
banglore  | B8     |
|     13 | F      | MAHA       | 23 | 9865864387 | 10,GEEVA NAGAR    |
TREND BRIGDE | B1     |
|     16 | F      | ABINA      | 25 | 8678235273 | 26,XYZ COLONY      |
NORTTINGOM | B7     |
+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+
```

```
select doner_name from doner where phone_number like '78%';
+-----+
| doner_name |
+-----+
| raj        |
| vasanth    |
+-----+
```

# BLOOD DONATION SYSTEM

## WORKOUT SCREENSHOTS :

```
MySQL Client (MariaDB 10.5 (v64)) - "C:\Program Files\MariaDB 10.5\bin\mysql.exe" "--defaults-file=C:\Program Files\MariaDB 10.5\data\my.ini" --uroot -p
Enter password: ****
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 6
Server version: 10.5.9-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database blood_donation_system;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> use blood_donation_system
Database changed
MariaDB [blood_donation_system]>
MariaDB [blood_donation_system]> CREATE TABLE Blood (
->   B_code VARCHAR(5) PRIMARY KEY,
->   Blood_GROUP VARCHAR(5),
->   amount double
-> );
Query OK, 0 rows affected (0.095 sec)

MariaDB [blood_donation_system]> CREATE TABLE Doner(
->   donerID int PRIMARY KEY AUTO_INCREMENT,
->   gender VARCHAR(10),
->   Doner_name VARCHAR(20),
->   age int not null check(age>=18),
->   phone_number real unique,
->   address varchar(50),
->   city varchar(20),
->   B_code VARCHAR(5) REFERENCES Blood ON DELETE CASCADE ON UPDATE CASCADE
-> );
Query OK, 0 rows affected (0.105 sec)

MariaDB [blood_donation_system]> CREATE TABLE Blood_Bank(
->   Blood_bank_id varchar(10) PRIMARY KEY,
->   BB_contact_number real,
->   BB_address VARCHAR(50),
->   BB_city varchar(20),
->   available varchar(10) not null
-> );
Query OK, 0 rows affected (0.098 sec)

MariaDB [blood_donation_system]> CREATE TABLE Hospital(
->   H_code VARCHAR(10) PRIMARY KEY,
->   H_name VARCHAR(30),
->   H_contact_number real,
->   H_city varchar(20)
-> );
Query OK, 0 rows affected (0.087 sec)

MariaDB [blood_donation_system]> CREATE TABLE Staff(
```

```
MySQL Client (MariaDB 10.5 (v64)) - "C:\Program Files\MariaDB 10.5\bin\mysql.exe" "--defaults-file=C:\Program Files\MariaDB 10.5\data\my.ini" --uroot -p
MariaDB [blood_donation_system]> CREATE TABLE Staff(
->   Staff_ID VARCHAR(10) PRIMARY KEY,
->   H_code VARCHAR(10) REFERENCES Hospital ON DELETE CASCADE ON UPDATE CASCADE,
->   Blood_bank_id varchar(10) REFERENCES Blood_Bank ON DELETE CASCADE ON UPDATE CASCADE
-> );
Query OK, 0 rows affected (0.162 sec)

MariaDB [blood_donation_system]> CREATE TABLE Appointment(
->   Receiver_ID VARCHAR(10) PRIMARY KEY,
->   R_name varchar(20),
->   R_Mobile_number real,
->   appointment_date DATETIME,
->   amount double,
->   Staff_ID VARCHAR(10) REFERENCES Staff ON DELETE CASCADE ON UPDATE CASCADE,
->   donerID int REFERENCES Doner ON DELETE CASCADE ON UPDATE CASCADE,
->   H_code VARCHAR(10) REFERENCES Hospital ON DELETE CASCADE ON UPDATE CASCADE
-> );
Query OK, 0 rows affected (0.128 sec)

MariaDB [blood_donation_system]>
MariaDB [blood_donation_system]> delimiter //
MariaDB [blood_donation_system]> CREATE OR REPLACE TRIGGER CheckAge
-> BEFORE
-> INSERT ON Doner
-> FOR EACH ROW
-> BEGIN
-> IF new.age<18 THEN
-> SIGNAL SQLSTATE '45000'
-> set message_text = 'Age should be greater than 18';
-> END IF;
-> END//
Query OK, 0 rows affected (0.079 sec)

MariaDB [blood_donation_system]> CREATE OR REPLACE TRIGGER CheckBloodType
-> BEFORE
-> INSERT ON Blood
-> FOR EACH ROW
-> BEGIN
-> IF new.Blood_GROUP NOT IN('A+', 'A-', 'B+', 'B-', 'AB+', 'AB-', 'O+', 'O-') THEN
-> SIGNAL SQLSTATE '45000'
-> set message_text = 'The blood type entered is incorrect. It should be A+, A-, B+, AB+, AB-, O+, O-';
-> END IF;
-> END//
Query OK, 0 rows affected (0.068 sec)

MariaDB [blood_donation_system]> insert into blood values
-> ('B1', 'A+', 1000),
-> ('B2', 'A-', 1000),
-> ('B3', 'B+', 1500),
-> ('B4', 'B-', 1500),
-> ('B5', 'AB+', 2000),
-> ('B6', 'AB-', 2000),
```

# BLOOD DONATION SYSTEM

```
MySQL Client (MariaDB 10.5 (x64)) - "C:\Program Files\MariaDB 10.5\bin\mysql.exe" --defaults-file=C:\Program Files\MariaDB 10.5\data\my.ini --uroot -p
Query OK, 8 rows affected (0.073 sec)
Records: 8 Duplicates: 0 Warnings: 0

MariaDB [blood_donation_system]> insert into Doner(gender,Doner_name,age,phone_number,address,city,B_code) values
-> ('M','raj',21,9865432182,'no.1 vala thearu','karaikal','B1'),
-> ('F','natha',19,8965432182,'no.32 vala thearu','karakudi','B3'),
-> ('M','kamal',20,996432182,'no.12 periyar thearu','singali','B4'),
-> ('M','hari',23,6805432182,'no.19 meatu thearu','pondy','B5'),
-> ('F','anushaw',22,8065432182,'no.11 vada thearu','mayavaram','B2'),
-> ('F','janani',26,7405432188,'no.10 chinna thearu','nagor','B6'),
-> ('M','Vasanth',21,7065432183,'no.25 paris shreet','chennai','B7'),
-> ('M','easi',31,9865432182,'no.07 koticcherry','karaikal','B8'),
-> ('F','mathi',22,9125432182,'no.1 samy street','banglore','B8'),
-> ('M','prabhu',34,9075432182,'no.1 paris corner ','chennai','B6'),
-> ('M','DHARUN KUMAR',20,5687628345,'10,PK SALAI','KALAPET','B4'),
-> ('M','ANABHAYAN',21,2897823543,'2,RK NAGAR','KARAİKAL','B3'),
-> ('F','MAHA',23,9865984387,'10,GEETHA NAGAR','TREND BRIDGE','B1'),
-> ('M','JAYACHANDRAM',19,7643587931,'50,ANJANEYAR STREET','KARAİKAL','B2'),
-> ('F','APARNA',19,8753462176,'21,ABC STREET','THIRUNALLAR','B5'),
-> ('F','ABINA',25,8670235273,'26,XYZ COLONY','NORTTINGOM','B7'),
-> ('M','ROHIT SHARMA',30,3648727582,'23,ROBORRY STREET','BANGLORE','B8'),
-> ('M','ARAVINDH',21,7471587663,'50,IG STREET','PONDYCHERRY','B4'),
-> ('M','RAVIKUMAR',40,6347646627,'12,ARRAY STANDS','PERRIRIDGE','B2'),
-> ('F','MONICA',18,8374635410,'52,ANNA SALAI','CHENNAI','B3');
//
Query OK, 20 rows affected (0.039 sec)
Records: 20 Duplicates: 0 Warnings: 0

MariaDB [blood_donation_system]> insert into blood_bank values
-> ('bb1',8765445678,'03,'ragiv gandhi nager','chennai','true'),
-> ('bb2',8765445678,'09,'raja street','karaikal','true'),
-> ('bb3',7765445678,'05,'kamalesh stret','pondy','false'),
-> ('bb4',6765445678,'21,'near IG statue','porayan','true'),
-> ('bb5',9265445675,'13,'amman koil street','salam','false'),
-> ('bb6',8285445678,'17,'south street','theni','true'),
-> ('bb7',9445445678,'19,'aiyanar koil street','velun','true'),
-> ('bb8',965445678,'22,'madha koil street','trichi','true'),
-> ('bb9',7565445678,'43,'bharathiyan road','kadalun','true'),
-> ('bb10',9968445678,'16,'pillayar koil street','thabaram','true'),
-> ('BB11',9873462873,'10,PK SALAI','KALAPET','true'),
-> ('BB12',8761458257,'2,RK NAGAR','KARAİKAL','false'),
-> ('BB13',9442961042,'16,GEETHA NAGAR','TREND BRIDGE','true'),
-> ('BB14',9382920987,'50,ANJANEYAR STREET','T.R PATTINAM','false'),
-> ('BB15',6754824762,'21,ABC STREET','THIRUNALLAR','false'),
-> ('BB16',9182674842,'26,XYZ COLONY','NORTTINGOM','true'),
-> ('BB17',8136548127,'23,ROBORRY STREET','BANGLORE','true'),
-> ('BB18',9786876744,'50,IG STREET','PONDYCHERRY','true'),
-> ('BB19',8726894589,'12,ARRAY STANDS','PERRIRIDGE','false'),
-> ('BB20',8300117231,'52,ANNA SALAI','CHENNAI','false');
//
Query OK, 20 rows affected (0.023 sec)
```

```
MySQL Client (MariaDB 10.5 (x64)) - "C:\Program Files\MariaDB 10.5\bin\mysql.exe" --defaults-file=C:\Program Files\MariaDB 10.5\data\my.ini --uroot -p
Query OK, 20 rows affected (0.023 sec)
Records: 20 Duplicates: 0 Warnings: 0

MariaDB [blood_donation_system]> insert into Hospital(H_code,H_Contact_number,H_name,H_city) values
-> ('H1',9283764573,'ragiv gandhi Govt.Hospital','chennai'),
-> ('H2',8476526332,'rajabaram hospital','karaikal'),
-> ('H3',9877858434,'kamalesh Clinic','pondyicherry'),
-> ('H4',6765445678,'Government hospital','porayan'),
-> ('H5',9265445675,'Anabhayan clinic','salam'),
-> ('H6',8285445678,'K.S hospital','theni'),
-> ('H7',9445445678,'Ravikumar hospital','velun'),
-> ('H8',9654456787,'Ranjith Clinic centre','trichi'),
-> ('H9',7678927345,'Government Hospital','kadalun'),
-> ('H10',9968445678,'Uma Maheshwari Health Centre','thabaram'),
-> ('H11',9873462873,'Indra Gandhi PVT.hospital','KALAPET'),
-> ('H12',7984625832,'RK Govt.Hospital','KARAİKAL'),
-> ('H13',9442961042,'rukmini Health Centre','TREND BRIDGE'),
-> ('H14',3487834764,'Government Hospital','T.R PATTINAM'),
-> ('H15',6754824762,'Maha PVT.health centre','THIRUNALLAR'),
-> ('H16',9787876767,'Babu Rajendhiran Clinic','NORTTINGOM'),
-> ('H17',8374385898,'Government Health Centre','BANGLORE'),
-> ('H18',8765753788,'JIPMER','PONDYCHERRY'),
-> ('H19',9856457634,'JIPMER','PERRIRIDGE'),
-> ('H20',7800987653,'ANNA hospital','CHENNAI');
//
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near ')),
('H8',9654456787,'Ranjith Clinic centre','trichi'),
('H9',7678927345,'Gove...' at line 8
MariaDB [blood_donation_system]> insert into Hospital(H_code,H_Contact_number,H_name,H_city) values
-> ('H1',9283764573,'ragiv gandhi Govt.Hospital','chennai'),
-> ('H2',8476526332,'rajabaram hospital','karaikal'),
-> ('H3',9877858434,'kamalesh Clinic','pondyicherry'),
-> ('H4',6765445678,'Government hospital','porayan'),
-> ('H5',9265445675,'Anabhayan clinic','salam'),
-> ('H6',8285445678,'K.S hospital','theni'),
-> ('H7',9445445678,'Ravikumar hospital','velun'),
-> ('H8',9654456787,'Ranjith Clinic centre','trichi'),
-> ('H9',7678927345,'Government Hospital','kadalun'),
-> ('H10',9968445678,'Uma Maheshwari Health Centre','thabaram'),
-> ('H11',9873462873,'Indra Gandhi PVT.hospital','KALAPET'),
-> ('H12',7984625832,'RK Govt.Hospital','KARAİKAL'),
-> ('H13',9442961042,'rukmini Health Centre','TREND BRIDGE'),
-> ('H14',3487834764,'Government Hospital','T.R PATTINAM'),
-> ('H15',6754824762,'Maha PVT.health centre','THIRUNALLAR'),
-> ('H16',9787876767,'Babu Rajendhiran Clinic','NORTTINGOM'),
-> ('H17',8374385898,'Government Health Centre','BANGLORE'),
-> ('H18',8765753788,'JIPMER','PONDYCHERRY'),
-> ('H19',9856457634,'JIPMER','PERRIRIDGE'),
-> ('H20',7800987653,'ANNA hospital','CHENNAI');//
Query OK, 20 rows affected (0.034 sec)
Records: 20 Duplicates: 0 Warnings: 0
```

# BLOOD DONATION SYSTEM

```
MySQL Client (MariaDB 10.5 (x64)) - "C:\Program Files\MariaDB 10.5\bin\mysql.exe" --defaults-file=C:\Program Files\MariaDB 10.5\data\my.ini --uroot -p
Query OK, 2 rows affected (0.024 sec)
Records: 2 Duplicates: 0 Warnings: 0

MariaDB [blood_donation_system]> insert into appointment (H_code,Staff_ID,DonerID,Receiver_ID,R_name,R_Mobile_number,appointment_date,amount) values ('H13','S13',13,'R14','rukmi',9239623890,20170528,1000),
-> ('H14','S14',14,'R15','Ravishastri',9875437115,20180520,1500),
-> ('H15','S15',15,'R16','Maha',9585754354,201930,2000),
-> ('H16','S16',16,'R17','Babu',7898654563,20210808,15000),
-> ('H17','S17',17,'R18','Devi',7867453265,20210809,12000),
-> ('H18','S18',18,'R19','Nehru',7545679878,20200909,1000),
-> ('H19','S19',19,'R20','Abirani',9197818567,20210321,2000),
-> ('H20','S20',20,'R21','Rajesh',8330001232,20200626,25000);
ERROR 1292 (22007): Incorrect date value: '201930' for column 'appointment_date' at row 3
MariaDB [blood_donation_system]> insert into appointment (H_code,Staff_ID,DonerID,Receiver_ID,R_name,R_Mobile_number,appointment_date,amount) values ('H13','S13',13,'R14','rukmi',9239623890,20170528,1000),
-> ('H14','S14',14,'R15','Ravishastri',9875437115,20180520,1500),
-> ('H15','S15',15,'R16','Maha',9585754354,20190330,2000),
-> ('H16','S16',16,'R17','Babu',7898654563,20210808,15000),
-> ('H17','S17',17,'R18','Devi',7867453265,20210809,12000),
-> ('H18','S18',18,'R19','Nehru',7545679878,20200909,1000),
-> ('H19','S19',19,'R20','Abirani',9197818567,20210321,2000),
-> ('H20','S20',20,'R21','Rajesh',8330001232,20200626,25000);
Query OK, 8 rows affected (0.025 sec)
Records: 8 Duplicates: 0 Warnings: 0

MariaDB [blood_donation_system]> select * from doner;
+-----+-----+-----+-----+-----+-----+-----+-----+
| donerID | gender | Doner_name | age | phone_number | address | city | B_code |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | M | raj | 21 | 7865432182 | no.1 thala thearu | karsikal | B1 |
| 2 | F | ratha | 19 | 8965432182 | no.32 vala thearu | karsikudi | B3 |
| 3 | M | kamal | 20 | 996432182 | no.12 periyar thearu | sirgali | B4 |
| 4 | M | hari | 23 | 6805432182 | no.19 meatu thearu | pondy | B5 |
| 5 | F | anushaw | 22 | 8065432182 | no.11 vada thearu | mayavaram | B2 |
| 6 | F | janani | 26 | 7465432188 | no.18 china thearu | nagor | B6 |
| 7 | M | Vasanth | 21 | 7865432183 | no.25 paris shreet | chennai | B7 |
| 8 | M | easi | 31 | 9865432182 | no.07 koticherry | karsikal | B8 |
| 9 | F | mathi | 22 | 9125432182 | no.1 samy street | banglore | B8 |
| 10 | M | prabhu | 34 | 9075432182 | no.1 paris corner | chennai | B6 |
| 11 | M | DHARUN KUMAR | 20 | 5087628345 | 10,PK SALAI | KALAPET | B4 |
| 12 | M | ANABHAYAN | 21 | 2097823543 | 2,RK NAGAR | KARAIKAL | B3 |
| 13 | F | MAHA | 23 | 9865864387 | 10,GEEVA NAGAR | TREND BRIGDE | B1 |
| 14 | M | JAYACHANDRAN | 19 | 7643598731 | 50,ANDANEYAR STREET | KARAIKAL | B2 |
| 15 | F | APARNA | 19 | 8753462176 | 21,ABC STREET | THIRUNALLAR | B5 |
| 16 | F | ABINA | 25 | 8678235273 | 26,XYZ COLONY | NORTTINGOM | B7 |
| 17 | M | ROHIT SHARMA | 30 | 3648727582 | 23,ROBORRY STREET | BANGLORE | B8 |
| 18 | M | ARAVINATH | 21 | 7471587663 | 50,IG STREET | PONDYCHERRY | B4 |
| 19 | M | RAVIKUMAR | 40 | 6347646627 | 12,ARRAY STANDS | PERRIRIDGE | B2 |
| 20 | F | MONICA | 18 | 8374635410 | 52,ANNA SALAI | CHENNAI | B3 |
+-----+-----+-----+-----+-----+-----+-----+-----+
20 rows in set (0.051 sec)
```

```
MySQL Client (MariaDB 10.5 (x64)) - "C:\Program Files\MariaDB 10.5\bin\mysql.exe" --defaults-file=C:\Program Files\MariaDB 10.5\data\my.ini --uroot -p
-> ('H2','8476526332','rajaram hospital','karsikal'),
-> ('H3','9877858434','kamalesh Clinic','pondyicherry'),
-> ('H4','6765445678','Government hospital','porayar'),
-> ('H5','9265445675','Anabhayan clinic','selam'),
-> ('H6','8089445678','K.S hospital','chemi'),
-> ('H7','9445445678','Ravikumar Hospital','velur'),
-> ('H8','9654456787','Ranjith Clinic centre','trichi'),
-> ('H9','7678927345','Government Hospital','kadalur'),
-> ('H10','9968445678','Uma Maheshwari Health Centre','thabaram'),
-> ('H11','9873462873','Indra Gandhi PVT.hospital','KALAPET'),
-> ('H12','9946258332','RK Govt.Hospital','KARAIKAL'),
-> ('H13','9442963042','Rukmini Health Centre','TREND BRIGDE'),
-> ('H14','3487834764','Government Hospital','T.R PATTINAM'),
-> ('H15','6754824762','Maha PVT.health centre','THIRUNALLAR'),
-> ('H16','9787876767','Babu Rajendhiran Clinic','NORTTINGOM'),
-> ('H17','8374385298','Government Health Centre','BANGLORE'),
-> ('H18','8765753788','JIPMER','PONDYCHERRY'),
-> ('H19','8864557634','JIPMER','PERRIRIDGE'),
-> ('H20','780987653','ANNA hospital','CHENNAI');//
Query OK, 20 rows affected (0.034 sec)
Records: 20 Duplicates: 0 Warnings: 0

MariaDB [blood_donation_system]> alter table Staff add column S_name varchar(20);
-> //
Query OK, 0 rows affected (0.075 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [blood_donation_system]> insert into Staff(H_code,Staff_id,s_name,Blood_bank_id) values
-> ('H1','S1','Sugandan','BB2'),
-> ('H2','S2','Arumugam','BB1'),
-> ('H3','S3','Kamalesh','BB4'),
-> ('H4','S4','Rakesh','BB1'),
-> ('H5','S5','Anabhayan','BB7'),
-> ('H6','S6','Kavitha','BB5'),
-> ('H7','S7','Ravikumar','BB8'),
-> ('H8','S8','Ranjith','BB10'),
-> ('H9','S9','Nishanthi','BB15'),
-> ('H10','S10','Uma Maheshwari','BB3'),
-> ('H11','S11','Indrani','BB6'),
-> ('H12','S12','Amirtha','BB9'),
-> ('H13','S13','Rukmini','BB8'),
-> ('H14','S14','Ragavan','BB11'),
-> ('H15','S15','Maha','BB12'),
-> ('H16','S16','Babu Rajendhiran','BB13'),
-> ('H17','S17','Nandhini','BB20'),
-> ('H18','S18','Nehru','BB19'),
-> ('H19','S19','Vignesh','BB16'),
-> ('H20','S20','Aparna','BB14');
-> //
Query OK, 20 rows affected (0.030 sec)
Records: 20 Duplicates: 0 Warnings: 0
```

BLOOD DONATION SYSTEM

```
MySQL Client (MariaDB 10.5 (x64)) - "C:\Program Files\MariaDB 10.5\bin\mysql.exe" --defaults-file=C:\Program Files\MariaDB 10.5\data\my.ini --uroot -p
Query OK, 2 rows affected (0.024 sec)
Records: 2 Duplicates: 0 Warnings: 0

MariaDB [blood_donation_system]> insert into appointment (H_code,Staff_ID,DonerID,Receiver_ID,R_name,R_Mobile_number,appointment_date,amount) values ('H13','S13',13,'R14','rukmi',9239623890,20170528,1000),
-> ('H14','S14',14,'R15','Ravishastri',9875437115,20180520,1500),
-> ('H15','S15',15,'R16','Maha',9585754354,201930,2000),
-> ('H16','S16',16,'R17','Babu',7898654563,20210808,15000),
-> ('H17','S17',17,'R18','Devi',786753265,20210809,12000),
-> ('H18','S18',18,'R19','Nehru',7545679878,20200909,1000),
-> ('H19','S19',19,'R20','Abirani',9197818567,20210321,2000),
-> ('H20','S20',20,'R21','Rajesh',8330001232,20200626,25000);
ERROR 1292 (22007): Incorrect date value: '201930' for column 'appointment_date' at row 3
MariaDB [blood_donation_system]> insert into appointment (H_code,Staff_ID,DonerID,Receiver_ID,R_name,R_Mobile_number,appointment_date,amount) values ('H13','S13',13,'R14','rukmi',9239623890,20170528,1000),
-> ('H14','S14',14,'R15','Ravishastri',9875437115,20180520,1500),
-> ('H15','S15',15,'R16','Maha',9585754354,20190330,2000),
-> ('H16','S16',16,'R17','Babu',7898654563,20210808,15000),
-> ('H17','S17',17,'R18','Devi',786753265,20210809,12000),
-> ('H18','S18',18,'R19','Nehru',7545679878,20200909,1000),
-> ('H19','S19',19,'R20','Abirani',9197818567,20210321,2000),
-> ('H20','S20',20,'R21','Rajesh',8330001232,20200626,25000);
Query OK, 8 rows affected (0.025 sec)
Records: 8 Duplicates: 0 Warnings: 0

MariaDB [blood_donation_system]> select * from doner;
+-----+-----+-----+-----+-----+-----+-----+-----+
| donerID | gender | Doner_name | age | phone_number | address | city | B_code |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | M | raj | 21 | 7865432182 | no.1 thala thearu | karsikal | B1 |
| 2 | F | ratha | 19 | 8965432182 | no.32 vala thearu | karsikudi | B3 |
| 3 | M | kamal | 20 | 996432182 | no.12 periyar thearu | sirgali | B4 |
| 4 | M | hari | 23 | 6805432182 | no.19 meatu thearu | pondy | B5 |
| 5 | F | anushaw | 22 | 8065432182 | no.11 vada thearu | mayavaram | B2 |
| 6 | F | janani | 26 | 7465432188 | no.18 china thearu | nagor | B6 |
| 7 | M | Vasanth | 21 | 7865432183 | no.25 paris shreet | chennai | B7 |
| 8 | M | easi | 31 | 9865432182 | no.07 koticherry | karsikal | B8 |
| 9 | F | mathi | 22 | 9125432182 | no.1 samy street | banglore | B8 |
| 10 | M | prabhu | 34 | 9075432182 | no.1 paris corner | chennai | B6 |
| 11 | M | DHARUN KUMAR | 20 | 5687628345 | 10,PK SALAI | KALAPET | B4 |
| 12 | M | ANABHAYAN | 21 | 2897823543 | 2,RK NAGAR | KARAIKAL | B3 |
| 13 | F | MAHA | 23 | 9865864387 | 10,GEEVA NAGAR | TREND BRIGDE | B1 |
| 14 | M | JAYACHANDRAN | 19 | 7643598731 | 50,ANJANEYAR STREET | KARAIKAL | B2 |
| 15 | F | APARNA | 19 | 8753462176 | 21,ABC STREET | THIRUNALLAR | B5 |
| 16 | F | ABINA | 25 | 8678235273 | 26,XYZ COLONY | NORTTINGOM | B7 |
| 17 | M | ROHIT SHARMA | 30 | 3648727582 | 23,ROBORRY STREET | BANGLORE | B8 |
| 18 | M | ARAVINDH | 21 | 7471587663 | 50,IG STREET | PONDYCHERRY | B4 |
| 19 | M | RAVIKUMAR | 40 | 6347646627 | 12,ARRAY STANDS | PERRIRIDGE | B2 |
| 20 | F | MONICA | 18 | 8374635410 | 52,ANNA SALAI | CHENNAI | B3 |
+-----+-----+-----+-----+-----+-----+-----+-----+
20 rows in set (0.051 sec)
```

```
MySQL Client (MariaDB 10.5 (x64)) - "C:\Program Files\MariaDB 10.5\bin\mysql.exe" --defaults-file=C:\Program Files\MariaDB 10.5\data\my.ini --uroot -p

MariaDB [blood_donation_system]> select * from Blood;;
+-----+-----+-----+
| B_code | Blood_GROUP | amount |
+-----+-----+-----+
| B1 | A+ | 1000 |
| B2 | A- | 1000 |
| B3 | B+ | 1500 |
| B4 | B- | 1500 |
| B5 | AB+ | 2000 |
| B6 | AB- | 2000 |
| B7 | O+ | 2500 |
| B8 | O- | 3000 |
+-----+-----+-----+
8 rows in set (0.001 sec)

ERROR: No query specified

MariaDB [blood_donation_system]> select * from Blood_bank;
+-----+-----+-----+-----+-----+
| Blood_bank_id | BB_contact_number | BB_address | BB_city | available |
+-----+-----+-----+-----+-----+
| bb1 | 8765445678 | 03, ragiv gandhi nagar | chennai | true |
| bb10 | 9068445678 | 16, pillayar koil street | thabaram | true |
| bb11 | 9873462873 | 10,PK SALAI | KALAPET | true |
| bb12 | 8761458257 | 2,RK NAGAR | KARAIKAL | false |
| bb13 | 9442961042 | 10,GEEVA NAGAR | TREND BRIGDE | true |
| bb14 | 9382020987 | 50,ANJANEYAR STREET | T.R PATTINAM | false |
| bb15 | 6754824762 | 21,ABC STREET | THIRUNALLAR | false |
| bb16 | 9182674942 | 26,XYZ COLONY | NORTTINGOM | true |
| bb17 | 8136548127 | 23,ROBORRY STREET | BANGLORE | true |
| bb18 | 9786876744 | 50,IG STREET | PONDYCHERRY | true |
| bb19 | 8726894589 | 12,ARRAY STANDS | PERRIRIDGE | false |
| bb2 | 9765445678 | 09, raja street | karsikal | true |
| bb20 | 8300117231 | 52,ANNA SALAI | CHENNAI | false |
| bb3 | 7765445678 | 05, kamalesh street | pondy | false |
| bb4 | 6765445678 | 21, near IG statue | porayar | true |
| bb5 | 9265445675 | 13, amman koil street | salam | false |
| bb6 | 8285445678 | 17, south street | theni | true |
| bb7 | 9445445678 | 19, aiyanar koil street | velur | true |
| bb8 | 965445678 | 22, madha koil street | trichi | true |
| bb9 | 7565445678 | 43, bharathiyar road | kadalur | true |
+-----+-----+-----+-----+-----+
20 rows in set (0.001 sec)

MariaDB [blood_donation_system]> select * from Hospital;
+-----+-----+-----+-----+
| H_code | H_name | H_Contact_number | H_city |
+-----+-----+-----+-----+
| H1 | ragiv gandhi Govt.Hospital | 9283764573 | chennai |
| H10 | Uma Maheshwari Health Centre | 9968445678 | thabaram |
| H11 | Indra Gandhi PVT.hospital | 9873462873 | KALAPET |
+-----+-----+-----+-----+
```

BLOOD DONATION SYSTEM

MySQL Client (MariaDB 10.5 (v64)) - "C:\Program Files\MariaDB 10.5\bin\mysql.exe" --defaults-file=C:\Program Files\MariaDB 10.5\data\my.ini -uroot -p

MariaDB [blood\_donation\_system]> select \* from Hospital;

H_code	H_name	H_contact_number	H_city
H1	ragiv gandhi Govt.Hospital	9283764573	chennai
H10	Uma Maheshwari Health Centre	9968445678	thabaram
H11	Indra Gandhi PVT.hospital	9873462873	KALAPET
H12	RK Govt.Hospital	7984625832	KARAIKAL
H13	rukmini Health Centre	9442961042	TREND BRIGDE
H14	Government Hospital	3487834764	T.R PATTINAM
H15	Maha PVT.health centre	6754824762	THIRUNALLAR
H16	Babu Rajendhiran Clinic	9787876767	NORTTINGOM
H17	Government Health Centre	8374385298	BANGLORE
H18	JIPMER	8765753788	PONDYCHERRY
H19	JIPMER	9856457634	PERRIRIDGE
H2	rojanam hospital	8476526332	karaikal
H20	ANNA hospital	7800987653	CHENNAI
H3	kamalesh Clinic	9877858434	pondycherry
H4	Government hospital	6765445678	porayar
H5	Anabhayan clinic	9265445675	selam
H6	K.S hospital	8285445678	theni
H7	Ravikumar hospital	9445445678	velur
H8	Ranjith Clinic centre	9654456787	trichi
H9	Government Hospital	7678927345	kadalur

20 rows in set (0.001 sec)

MariaDB [blood\_donation\_system]> select \* from Staff;

Staff_ID	H_code	Blood_bank_id	S_name
S1	H1	BB2	Sugandan
S10	H10	BB3	Uma Maheshwari
S11	H11	BB6	Indrani
S12	H12	BB9	Amirtha
S13	H13	BB8	rukmini
S14	H14	BB11	Ragavan
S15	H15	BB12	Maha
S16	H16	BB13	Babu Rajendhiran
S17	H17	BB28	Nandhini
S18	H18	BB19	Nehru
S19	H19	BB16	Vignesh
S2	H2	BB1	Aarumugam
S20	H20	BB14	Aparna
S3	H3	BB4	Kamalesh
S4	H4	BB1	Rakesh
S5	H5	BB7	Anabhayan
S6	H6	BB5	Kavitha
S7	H7	BB8	Ravikumar
S8	H8	BB10	Ranjith
S9	H9	BB15	Nishanthi

Type here to search

36°C Partly sunny 5:11 PM 09-Aug-21

MySQL Client (MariaDB 10.5 (v64)) - "C:\Program Files\MariaDB 10.5\bin\mysql.exe" --defaults-file=C:\Program Files\MariaDB 10.5\data\my.ini -uroot -p

MariaDB [blood\_donation\_system]> select \* from appointment;

Receiver_ID	R_name	R_Mobile_number	appointment_date	amount	Staff_ID	donerID	H_code
R1	Raja	9872367344	2020-03-21	5000	S1	1	H1
R10	Raj	7889783476	2019-05-21	3000	S4	10	H4
R11	Indran	9667836457	2020-01-10	2000	S11	9	H11
R12	Nehru	7545679878	2020-09-09	1000	S18	18	H18
R13	Amir	7234657890	2018-01-20	20000	S12	11	H12
R14	rukmi	9239623890	2017-05-28	1000	S13	13	H13
R15	Ravishastri	9875437115	2018-05-20	1500	S14	14	H14
R16	Babu	7898654563	2021-08-08	15000	S16	15	H16
R17	Maha	9585754354	2019-03-30	2000	S15	16	H15
R18	Abiram	9197818567	2021-03-21	2000	S19	19	H19
R19	Rajesh	8330001232	2020-06-26	25000	S20	17	H20
R2	anabhayan	9876567812	2019-11-11	6000	S5	3	H5
R20	Dev	7867453265	2021-08-09	12000	S17	20	H17
R3	Aarumugam	8923457853	2020-12-12	10000	S2	2	H2
R4	Ravikumar	9836472387	2019-09-19	7000	S7	4	H7
R5	Harshini	6472988223	2020-02-28	2500	S8	6	H8
R6	Kishore	9872346784	2019-02-02	6000	S3	5	H3
R7	Vijay	7839243873	2021-03-30	1000	S6	12	H6
R8	Nishanthi	9239628934	2020-09-19	10000	S9	7	H9
R9	Maheshwari	9678567345	2020-05-30	5000	S10	8	H10

20 rows in set (0.000 sec)

MariaDB [blood\_donation\_system]>

Type here to search

36°C Partly sunny 5:12 PM 09-Aug-21

BLOOD DONATION SYSTEM

```
MySQL Client (MariaDB 10.5 (x64)) - "C:\Program Files\MariaDB 10.5\bin\mysql.exe" --defaults-file=C:\Program Files\MariaDB 10.5\data\my.ini -uroot -p
20 rows in set (0.001 sec)

MariaDB [blood_donation_system]> CREATE VIEW result_table as SELECT doner.doner_name, doner.age, doner.phone_number, blood.blood_group, appointment.R_name, appointment.appointment_date, appointment.amount
-- FROM ((Doner
-- INNER JOIN blood ON doner.B_code = blood.b_code)
-- INNER JOIN appointment ON doner.donerID = appointment.donerID);
Query OK, 0 rows affected (0.041 sec)

MariaDB [blood_donation_system]> select * from Result_table;
+-----+-----+-----+-----+-----+-----+-----+
| doner_name | age | phone_number | blood_group | R_name | appointment_date | amount |
+-----+-----+-----+-----+-----+-----+-----+
| raj        | 21  | 7865432182   | A+          | Raja   | 2020-03-21       | 5000   |
| MAHA      | 23  | 9865864387   | A+          | rukmi  | 2017-05-28       | 1000   |
| anushaw   | 22  | 8065432182   | A-          | Kishore | 2010-02-02       | 6000   |
| JAYACHANDRAN | 19  | 7643598731   | A-          | Ravishastri | 2018-05-20       | 1500   |
| RAVIKUMAR  | 40  | 6347646627   | A-          | Abiram  | 2021-03-21       | 2000   |
| ratha     | 19  | 8965432182   | B+          | Aarumugam | 2020-12-12       | 10000  |
| ANABHAYAN | 21  | 2897823543   | B+          | Vijay   | 2021-03-30       | 1000   |
| MONICA    | 18  | 8374635410   | B+          | Devi    | 2021-08-09       | 12000  |
| kamal     | 20  | 9064321020   | B-          | anabhayan | 2019-11-11       | 6000   |
| DHARUN KUMAR | 20  | 5687628345   | B-          | Amir   | 2018-01-20       | 20000  |
| ARAVINDH  | 21  | 7471587663   | B-          | Nehru   | 2020-09-09       | 1000   |
| hari      | 23  | 6805432182   | AB+         | Ravikumar | 2019-09-19       | 7000   |
| APARNA    | 19  | 8753462176   | AB+         | Babu    | 2021-08-08       | 15000  |
| janani    | 26  | 7465432188   | AB-         | Harshini | 2020-02-28       | 2500   |
| prabhu    | 34  | 9075432182   | AB-         | Raj     | 2010-05-21       | 3000   |
| vasanth   | 21  | 7865432183   | O+          | Nishanthi | 2020-09-19       | 10000  |
| ABINA     | 25  | 8678235273   | O+          | Maha    | 2010-03-30       | 2000   |
| eesi      | 31  | 9865432182   | O-          | Maheshwari | 2020-05-30       | 5000   |
| mathi     | 22  | 9125432182   | O-          | Indran  | 2020-01-10       | 2000   |
| ROHIT SHARMA | 30  | 3648727582   | O-          | Rajesh  | 2020-06-26       | 25000  |
+-----+-----+-----+-----+-----+-----+-----+
20 rows in set (0.019 sec)

MariaDB [blood_donation_system]> delimiter //
MariaDB [blood_donation_system]> CREATE OR REPLACE TRIGGER CHECK_AVAILABILITY
-- BEFORE
-- UPDATE ON blood_bank
-- FOR EACH ROW
-- BEGIN
-- IF new.Available = 'False' THEN
-- SIGNAL SQLSTATE '45000'
-- set message_text = 'this blood is not available';
-- END IF;
-- END//
Query OK, 0 rows affected (0.050 sec)

MariaDB [blood_donation_system]> drop trigger CHECK_AVAILABILITY;
-- //
Query OK, 0 rows affected (0.027 sec)
```

```
MySQL 8.0 Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 8.0.25 MySQL Community Server - GPL
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affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use bloodbank;
Database changed
mysql> select * from blood;
+-----+-----+-----+
| B_code | Blood_Group | amount |
+-----+-----+-----+
| B1     | A+          | 1000   |
| B2     | A-          | 1000   |
| B3     | B+          | 1500   |
| B4     | B-          | 1500   |
| B5     | AB+         | 2000   |
| B6     | AB-         | 2000   |
| B7     | O+          | 2500   |
| B8     | O-          | 3000   |
+-----+-----+-----+
0 rows in set (0.00 sec)

mysql> select * from doner;
+-----+-----+-----+-----+-----+-----+-----+
| donerID | gender | Doner_name | age | phone_number | address | city | B_code |
+-----+-----+-----+-----+-----+-----+-----+
| 1 M     | raj    | 21          | 7865432182 | no.1 thala thearu | karaikal | 81 |
| 2 F     | ratha  | 19          | 8965432182 | no.32 vala thearu | karaikudi | 83 |
| 3 M     | kamal  | 20          | 996432182  | no.12 periyar thearu | sirgali | 84 |
| 4 M     | hari   | 22          | 6805432182 | no.19 meera thearu | pondy | 85 |
| 5 F     | anushaw | 22         | 8065432182 | no.11 vada thearu | majavaram | 82 |
| 6 F     | janani | 26          | 7465432188 | no.10 china thearu | nagor | 86 |
| 7 M     | vasanth | 21         | 7865432183 | no.25 paris street | Chennai | 87 |
| 8 M     | eesi   | 31          | 9865432182 | no.47 koticheeray | karaikal | 88 |
| 9 F     | mathi  | 22          | 9125432182 | no.1 samy street | banglore | 88 |
| 10 M    | prabhu | 34          | 9075432182 | no.1 paris corner | Chennai | 86 |
| 11 M    | DHARUN KUMAR | 20       | 5687628345 | 10,PK SALAI | KALAIKOT | 84 |
| 12 M    | ANABHAYAN | 21       | 2897823543 | 2,HK NAGAR | KARAİKAL | 83 |
| 13 F    | MAHA   | 23          | 9865864387 | 10,GEVVA NAGAR | TREND BRIDGE | 81 |
| 14 M    | JAYACHANDRAN | 19       | 7643598731 | 50,ANJANESWAR STREET | KARAİKAL | 82 |
| 15 F    | APARNA | 19          | 8753462176 | 21,ABC STREET | THIRUALLAR | 85 |
| 16 F    | ABINA  | 25          | 8678235273 | 26,KYZ COLONY | NORTTINGOM | 87 |
| 17 M    | ROHIT SHARMA | 30       | 3648727582 | 23,RODORRY STREET | BANGLORE | 88 |
| 18 M    | ARAVINDH | 21        | 7471587663 | 30,IG STREET | PONDYCHERRY | 84 |
| 19 M    | RAVIKUMAR | 40       | 6347646627 | 12,ARRAY STANDS | PERRIRIDGE | 82 |
| 20 F    | MONICA | 18          | 8374635410 | 52,ANNA SALAI | CHENNAI | 83 |
```

# BLOOD DONATION SYSTEM

```
mysql> select donerID,gender,doner_name from doner where age>20;
```

donerID	gender	doner_name
1	M	raj
3	M	kamal
4	M	hari
5	F	anusha
6	F	jansal
7	M	vasanth
8	M	easi
9	F	mathi
10	M	prabhu
11	M	DHARUN KUMAR
12	M	ANADHAYAN
13	F	RAVA
16	F	ARUNA
17	M	ROHIT SHARMA
18	M	ARAVINDH
19	M	RAVIKUMAR

16 rows in set (0.00 sec)

```
mysql> select distinct city from doner;
```

city
karaikal
karaikudi
singali
pondy
mayavaram
nager
chennai
banglore
KALAPET
TREND BRIGDE
THIRUNALLAR
NORTTINGOM
PONDYCHERRY
PERRAIRIDGE

14 rows in set (0.00 sec)

```
mysql> select blood_bank.blood_bank_id,blood_bank.BB_contact_number,doner.donerID,doner.age from
-> blood_bank left join doner
-> on blood_bank.BB_city = doner.city;
```

blood_bank_id	BB_contact_number	donerID	age
bb1	8765445678	20	18
bb1	8765445678	10	34
bb1	8765445678	7	21
bb10	9968445678	NULL	NULL
BB11	9873462873	11	20
BB12	8761458257	14	19
BB12	8761458257	12	21
BB12	8761458257	8	31
BB12	8761458257	1	21
BB13	9442961042	13	23
BB14	9382020967	NULL	NULL
BB15	6754824762	15	19
BB16	9182674842	16	25
BB17	8136548127	17	30
BB17	8136548127	9	22
BB18	9786876744	18	21
BB19	8726894589	19	40
bb2	9765445678	14	19
bb2	9765445678	12	21
bb2	9765445678	8	31
bb2	9765445678	1	21
BB20	8300117231	20	18
BB20	8300117231	10	34
BB20	8300117231	7	21
bb3	7765445678	4	23
bb4	6765445678	NULL	NULL
bb5	9265445675	NULL	NULL
bb6	8285445678	NULL	NULL
bb7	9445445678	NULL	NULL
bb8	965445678	NULL	NULL
bb9	7565445678	NULL	NULL

31 rows in set (0.00 sec)



# BLOOD DONATION SYSTEM

```
MySQL 8.0 Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 19
Server version: 8.0.25 MySQL Community Server - GPL

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use bloodbank;
Database changed
mysql> select blood_bank.blood_bank_id,blood_bank.BB_contact_number,doner.donerID,doner.age from
-> blood_bank right join doner
-> on blood_bank.BB_city = doner.city;
+-----+-----+-----+-----+
| blood_bank_id | BB_contact_number | donerID | age |
+-----+-----+-----+-----+
| bb2           | 9765445678       | 1       | 21  |
| BB12          | 8761458257       | 1       | 21  |
| NULL         | NULL             | 2       | 19  |
| NULL         | NULL             | 3       | 20  |
| bb3           | 7765445678       | 4       | 23  |
| NULL         | NULL             | 5       | 22  |
| NULL         | NULL             | 6       | 26  |
| BB20          | 8380117231       | 7       | 21  |
| bb1           | 8765445678       | 7       | 21  |
| bb2           | 9765445678       | 8       | 31  |
| BB12          | 8761458257       | 8       | 31  |
| BB17          | 8136548127       | 9       | 22  |
| BB20          | 8380117231       | 10      | 34  |
| bb1           | 8765445678       | 10      | 34  |
| BB11          | 9873462873       | 11      | 20  |
| bb2           | 9765445678       | 12      | 21  |
| BB12          | 8761458257       | 12      | 21  |
| BB11          | 9442961042       | 13      | 23  |
| bb2           | 9765445678       | 14      | 19  |
| BB12          | 8761458257       | 14      | 19  |
| BB15          | 6754024762       | 15      | 19  |
| BB16          | 9182674842       | 16      | 25  |
| BB17          | 8136548127       | 17      | 30  |
| BB18          | 9786876744       | 18      | 21  |
| BB19          | 8726894589       | 19      | 40  |
| BB20          | 8380117231       | 20      | 18  |
| bb1           | 8765445678       | 20      | 18  |
+-----+-----+-----+-----+
27 rows in set (0.00 sec)
```

```
Select MySQL 8.0 Command Line Client

mysql> select doner_name,age,
-> (
-> case
-> when genders='M' then 4
-> when genders='F' then 3
-> end
-> ) as AMT_OF_BLOOD from doner;
+-----+-----+-----+
| doner_name | age | AMT_OF_BLOOD |
+-----+-----+-----+
| raj        | 21  | 4             |
| ratha      | 19  | 3             |
| kamal      | 20  | 4             |
| hari       | 23  | 4             |
| anushaw    | 22  | 3             |
| janani     | 26  | 3             |
| vasanth    | 21  | 4             |
| eazi       | 31  | 4             |
| mathi      | 22  | 3             |
| prabhu     | 34  | 4             |
| DHARUN KUMAR | 20  | 4             |
| ANABHAYAN  | 21  | 4             |
| MAHA       | 23  | 3             |
| JAYACHANDRAN | 19  | 4             |
| APARNA     | 19  | 3             |
| ABINA      | 25  | 3             |
| ROHIT SHARMA | 30  | 4             |
| ARAVINDH   | 21  | 4             |
| RAVIKUMAR  | 40  | 4             |
| MONICA     | 18  | 3             |
+-----+-----+-----+
20 rows in set (0.00 sec)

mysql>
```

## BLOOD DONATION SYSTEM

```
MySQL Client (MariaDB 10.6 (x64)) - "C:\Program Files\MariaDB 10.6\bin\mysql.exe" "--defaults-file=C:\Program Files\MariaDB 10.6\data\my.ini" -uroot -p

MariaDB [Blood_Donation_System]> select donerId,Doner_name, gender,age from doner where age >= 60;
Empty set (0.001 sec)

MariaDB [Blood_Donation_System]> select B_code, Blood_GROUP,amount from Blood where Blood_GROUP='A+';
+-----+-----+-----+
| B_code | Blood_GROUP | amount |
+-----+-----+-----+
| B1     | A+         | 1000   |
+-----+-----+-----+
1 row in set (0.000 sec)

MariaDB [Blood_Donation_System]> select H_code, H_name,H_contact_number, H_city from Hospital where H_city='PONDYCHERRY';
+-----+-----+-----+-----+
| H_code | H_name      | H_contact_number | H_city |
+-----+-----+-----+-----+
| H18    | JIPMER      | 8765753788      | PONDYCHERRY |
| H3     | kamalesh Clinic | 9877858434      | pondyicherry |
+-----+-----+-----+-----+
2 rows in set (0.000 sec)

MariaDB [Blood_Donation_System]> select donerId, Doner_name,gender from doner where gender='M';
+-----+-----+-----+
| donerId | Doner_name | gender |
+-----+-----+-----+
| 1       | raj        | M      |
| 3       | kamal      | M      |
| 4       | hari       | M      |
| 7       | vasanth    | M      |
| 8       | easi       | M      |
| 10      | prabhu     | M      |
| 11      | DHARUN KUMAR | M      |
| 12      | ANABHAYAN  | M      |
| 14      | JAYACHANDRAN | M      |
| 17      | ROHIT SHARMA | M      |
| 18      | ARAVINDH   | M      |
| 19      | RAVIKUMAR  | M      |
+-----+-----+-----+
12 rows in set (0.000 sec)

MariaDB [Blood_Donation_System]> select count(Blood_GROUP) from Blood where Blood_GROUP='O+';
+-----+
| count(Blood_GROUP) |
+-----+
| 1                   |
+-----+
```

```
MySQL Client (MariaDB 10.6 (x64)) - "C:\Program Files\MariaDB 10.6\bin\mysql.exe" "--defaults-file=C:\Program Files\MariaDB 10.6\data\my.ini" -uroot -p

MariaDB [Blood_Donation_System]> select h.H_code,h.H_name,Staff_ID,S_name from Hospital H inner join Staff s on h.H_code= s.H_code;
+-----+-----+-----+-----+
| H_code | H_name      | Staff_ID | S_name |
+-----+-----+-----+-----+
| H1     | ragiv gandhi Govt.Hospital | S1       | Sugandan |
| H10    | Uma Maheshwari Health Centre | S10      | Uma Maheshwari |
| H11    | Indra Gandhi PVT.hospital | S11      | Indrani |
| H12    | RK Govt.hospital | S12      | Amirtha |
| H13    | rukmini Health Centre | S13      | rukmini |
| H14    | Government Hospital | S14      | Ragavan |
| H15    | Maha PVT.health centre | S15      | Maha |
| H16    | Babu Rajendhiran Clinic | S16      | Babu Rajendhiran |
| H17    | Government Health Centre | S17      | Nandhini |
| H18    | JIPMER      | S18      | Nehru |
| H19    | JIPMER      | S19      | Vignesh |
| H2     | rajaram hospital | S2       | Aarumugam |
| H20    | APARNA hospital | S20      | Aparna |
| H3     | kamalesh Clinic | S3       | Kamalesh |
| H4     | Government hospital | S4       | Rakesh |
| H5     | Anabhayan clinic | S5       | Anabhayan |
| H6     | K.S hospital | S6       | Kavitha |
| H7     | Ravikumar hospital | S7       | Ravikumar |
| H8     | Ranjith Clinic centre | S8       | Ranjith |
| H9     | Government Hospital | S9       | Nishanthi |
+-----+-----+-----+-----+
20 rows in set (0.001 sec)

MariaDB [Blood_Donation_System]> select d.donerId,d.doner_name,a.Receiver_ID,a.R_name from doner d inner join appointment a on d.donerId = a.donerId;
+-----+-----+-----+-----+
| donerId | doner_name | Receiver_ID | R_name |
+-----+-----+-----+-----+
| 1       | raj        | R1          | Raja |
| 10      | prabhu     | R10         | Raj |
| 9       | mathi      | R11         | Indran |
| 18      | ARAVINDH   | R12         | Nehru |
| 11      | DHARUN KUMAR | R13         | Amir |
| 13      | MAHA       | R14         | rukmi |
| 14      | JAYACHANDRAN | R15         | Ravishastri |
| 15      | APARNA     | R16         | Babu |
| 16      | ABINA      | R17         | Maha |
| 19      | RAVIKUMAR  | R18         | Abiram |
| 17      | ROHIT SHARMA | R19         | Rajesh |
| 3       | kamal      | R2          | anabhayan |
+-----+-----+-----+-----+
```

## BLOOD DONATION SYSTEM

```
MySQL Client (MariaDB 10.6 (x64)) - "C:\Program Files\MariaDB 10.6\bin\mysql.exe" "--defaults-file=C:\Program Files\MariaDB 10.6\data\my.ini" -uroot -p

17 | ROHIT_SHARMA | R19 | Rajesh
3 | kamal | R2 | anabhayan
20 | MONICA | R20 | Devi
2 | ratha | R3 | Aarumugam
4 | hari | R4 | Ravikumar
6 | janani | R5 | Harshini
5 | anushaw | R6 | Kishore
12 | ANABHAVAN | R7 | Vijay
7 | vasanth | R8 | Nishanthi
8 | easi | R9 | Maheshwari
-----+-----+-----+-----
20 rows in set (0.001 sec)

MariaDB [Blood_Donation_System]> select d.donerId,d.doner_name,d.B_code,b.Blood_GROUP from doner d inner join Blood b on d.B_code=b.B_code;
-----+-----+-----+-----
| donerId | doner_name | B_code | Blood_GROUP |
-----+-----+-----+-----
1 | raj | B1 | A+
13 | MAHA | B1 | A+
5 | anushaw | B2 | A-
14 | JAYACHANDRAN | B2 | A-
19 | RAVIKUMAR | B2 | A-
2 | ratha | B3 | B+
12 | ANABHAVAN | B3 | B+
20 | MONICA | B3 | B+
3 | kamal | B4 | B-
11 | DHARUN KUMAR | B4 | B-
18 | ARAVINDH | B4 | B-
4 | hari | B5 | AB+
15 | APARNA | B5 | AB+
6 | janani | B6 | AB-
10 | prabhu | B6 | AB-
7 | vasanth | B7 | O+
16 | ABINA | B7 | O+
8 | easi | B8 | O-
9 | mathi | B8 | O-
17 | ROHIT_SHARMA | B8 | O-
-----+-----+-----+-----
20 rows in set (0.001 sec)

MariaDB [Blood_Donation_System]>
```

```
MySQL Client (MariaDB 10.6 (x64)) - "C:\Program Files\MariaDB 10.6\bin\mysql.exe" "--defaults-file=C:\Program Files\MariaDB 10.6\data\my.ini" -uroot -p

MariaDB [Blood_Donation_System]> select count(Blood_GROUP) from Blood where Blood_GROUP='O+';
-----+-----+-----+-----
| count(Blood_GROUP) |
-----+-----+-----+-----
1 |
-----+-----+-----+-----
1 row in set (0.001 sec)

MariaDB [Blood_Donation_System]> select donerId, doner_name,age from doner where city='Chennai';
-----+-----+-----+-----
| donerId | doner_name | age |
-----+-----+-----+-----
7 | vasanth | 21 |
10 | prabhu | 34 |
20 | MONICA | 18 |
-----+-----+-----+-----
3 rows in set (0.000 sec)

MariaDB [Blood_Donation_System]> select b.Blood_bank_id,b.BB_address,s.staff_ID from Blood_bank b inner join Staff s on b.Blood_bank_id= s.Blood_bank_id;
-----+-----+-----+-----
| Blood_bank_id | BB_address | staff_ID |
-----+-----+-----+-----
bb1 | 03, ragiv gandhi nagar | S2 |
bb1 | 03, ragiv gandhi nagar | S4 |
bb10 | 16, pillayar koil street | S8 |
BB11 | 10,PK SALAI | S14 |
BB12 | 2,RV NAGAR | S15 |
BB13 | 10,GEEVA NAGAR | S16 |
BB14 | 50,ANJANEYAR STREET | S20 |
BB15 | 21,ABC STREET | S9 |
BB16 | 26,XYZ COLONY | S19 |
BB19 | 12,ARRAY STANDS | S18 |
bb2 | 09, raja street | S1 |
BB20 | 52,ANNA SALAI | S17 |
bb3 | 05, kamalesh street | S10 |
bb4 | 21, near IG statue | S3 |
bb5 | 13, amman koil street | S6 |
bb6 | 17, south street | S11 |
bb7 | 19, aiyandar koil street | S5 |
bb8 | 22, madha koil street | S13 |
bb8 | 22, madha koil street | S7 |
bb9 | 43, bharathiyar road | S12 |
-----+-----+-----+-----
```

## BLOOD DONATION SYSTEM

```
vasanth  
mathi  
ANABHAYAN  
MAHA  
ARAVINDH  
+-----+  
8 rows in set (0.001 sec)  
  
MariaDB [ex6]> select staff.s_name from staff inner join blood_bank on staff.blood_bank_id = blood_bank.blood_bank_id where available = 'true';  
+-----+  
| s_name |  
+-----+  
| Sugandan |  
| Indrani |  
| Amirtha |  
| rukmini |  
| Ragavan |  
| Babu Rajendhiran |  
| Vignesh |  
| Aarumugam |  
| Kamalesh |  
| Rakesh |  
| Anabhayan |  
| Ravikumar |  
| Ranjith |  
+-----+  
13 rows in set (0.001 sec)  
  
MariaDB [ex6]> select staff.s_name from staff inner join appointment on staff.staff_id = appointment.staff_id where s_name = r_name;  
+-----+  
| s_name |  
+-----+  
| Nehru |  
| Maha |  
| Anabhayan |  
| Aarumugam |  
| Ravikumar |  
| Nishanthi |  
+-----+  
6 rows in set (0.001 sec)  
  
MySQL Client (MariaDB 10.5 [x64]) - "D:\maria\bin\mysql.exe" --defaults-file=D:\maria\data\my.ini --uroot -p  
+-----+  
| Nehru |  
| Maha |  
| Anabhayan |  
| Aarumugam |  
| Ravikumar |  
| Nishanthi |  
+-----+  
6 rows in set (0.001 sec)  
  
MariaDB [ex6]> select doner_name from doner where phone_number like '78%';  
+-----+  
| doner_name |  
+-----+  
| raj |  
| vasanth |  
+-----+  
2 rows in set (0.001 sec)  
  
MariaDB [ex6]> select * from doner where gender='f' and agh>20;  
ERROR 1054 (42S22): Unknown column 'agh' in 'where clause'  
MariaDB [ex6]> select * from doner where gender='f' and age>20;  
+-----+  
| donerID | gender | Doner_name | age | phone_number | address | city | B_code |  
+-----+  
| 5 | F | anushaw | 22 | 8065432182 | no.11 vada thearu | mayavaram | B2 |  
| 6 | F | janani | 26 | 7465432188 | no.10 chinna thearu | nagor | B6 |  
| 9 | F | mathi | 22 | 9125432182 | no.1 samy street | banglore | B8 |  
| 13 | F | MAHA | 23 | 9865864387 | 10,GEEVA NAGAR | TREND BRIDGE | B1 |  
| 16 | F | ABINA | 25 | 8678235273 | 26,XYZ COLONY | NORTTINGOM | B7 |  
+-----+  
5 rows in set (0.001 sec)  
  
MariaDB [ex6]> select sum(amount) from appointment ;  
+-----+  
| sum(amount) |  
+-----+  
| 137000 |  
+-----+  
1 row in set (0.007 sec)
```

# BLOOD DONATION SYSTEM

```
MySQL Client (MariaDB 10.6 (x64)) - "C:\Program Files\MariaDB 10.6\bin\mysql.exe" "--defaults-file=C:\Program Files\MariaDB 10.6\data\my.ini" -uroot -p

H5 | Anabhayan clinic | S5 | Anabhayan
H6 | K.S hospital | S6 | Kavitha
H7 | Ravikumar hospital | S7 | Ravikumar
H8 | Ranjith Clinic centre | S8 | Ranjith
H9 | Government Hospital | S9 | Nishanthi
-----
20 rows in set (0.001 sec)

MariaDB [Blood_Donation_System]> select d.donerId,d.doner_name,a.Receiver_ID,a.R_name from doner d inner join appointment a on d.donerId = a.donerId;
+-----+-----+-----+-----+
| donerId | doner_name | Receiver_ID | R_name |
+-----+-----+-----+-----+
| 1 | raj | R1 | Raja |
| 10 | prabhu | R10 | Raj |
| 9 | mathi | R11 | Indran |
| 18 | ARAVINDH | R12 | Nehru |
| 11 | DHARUN KUMAR | R13 | Amir |
| 13 | MAHA | R14 | rukmi |
| 14 | JAYACHANDRAN | R15 | Ravishastri |
| 15 | APARNA | R16 | Babu |
| 16 | ABITHA | R17 | Maha |
| 19 | RAVIKUMAR | R18 | Abiram |
| 17 | ROHIT SHARMA | R19 | Rajesh |
| 3 | kamal | R2 | anabhayan |
| 20 | MONICA | R20 | Devi |
| 2 | ratha | R3 | Aarumugam |
| 4 | hari | R4 | Ravikumar |
| 6 | janani | R5 | Harshini |
| 5 | anushaw | R6 | Kishore |
| 12 | ANABHAYAN | R7 | Vijay |
| 7 | vasanth | R8 | Nishanthi |
| 8 | easi | R9 | Maheshwari |
+-----+-----+-----+-----+
20 rows in set (0.001 sec)

MariaDB [Blood_Donation_System]> select d.donerId,d.doner_name,d.B_code,b.Blood_GROUP from doner d inner join Blood b on d.B_code=b.B_code;
+-----+-----+-----+-----+
| donerId | doner_name | B_code | Blood_GROUP |
+-----+-----+-----+-----+
| 1 | raj | B1 | A+ |
| 13 | MAHA | B1 | A+ |
| 5 | anushaw | B2 | A- |
| 14 | JAYACHANDRAN | B2 | A- |
| 19 | RAVIKUMAR | B2 | A- |
+-----+-----+-----+-----+
```

## CONCLUSION

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- In Our project we for to satisfy the needs to manage their several work . Many of them people can use as a user friendly coding have also been adopted. This package shall prove to be a powerful package in satisfying all the requirements of the school.
- We describe the requirement Specifications of the system and the actions that can be done on these things.
- We included features and operations in detail, including screen layouts
- Finally all the queries is implemented and tested according in respected software.

## CONTRIBUTION OF TEAM MEMBERS

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- 1.KAMALESH.....TABLE, SCHEMA DIAGRAM AND QUERIES.
- 2.ANABHAYAN.....TABLE, INSERTION AND QUERIES.
- 3.ABHISHEK.....QUERIES AND ER DIAGRAM.
- 4.ABIRAM..... QUERIES.
- 5.WAZIR.....QUERIES.



**THANK**

**YOU**

