



BLOOD BANK DATABASE

BY:

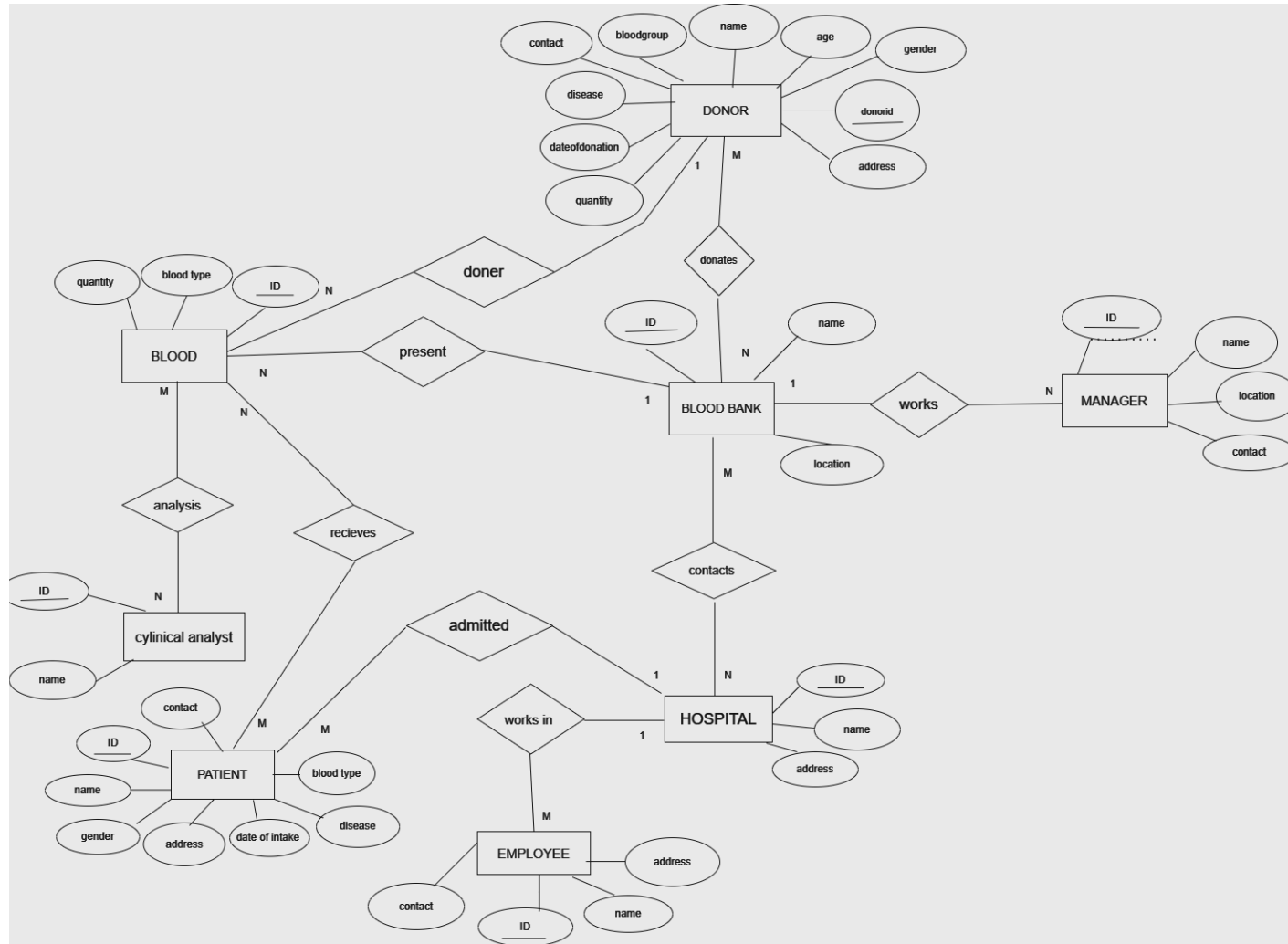
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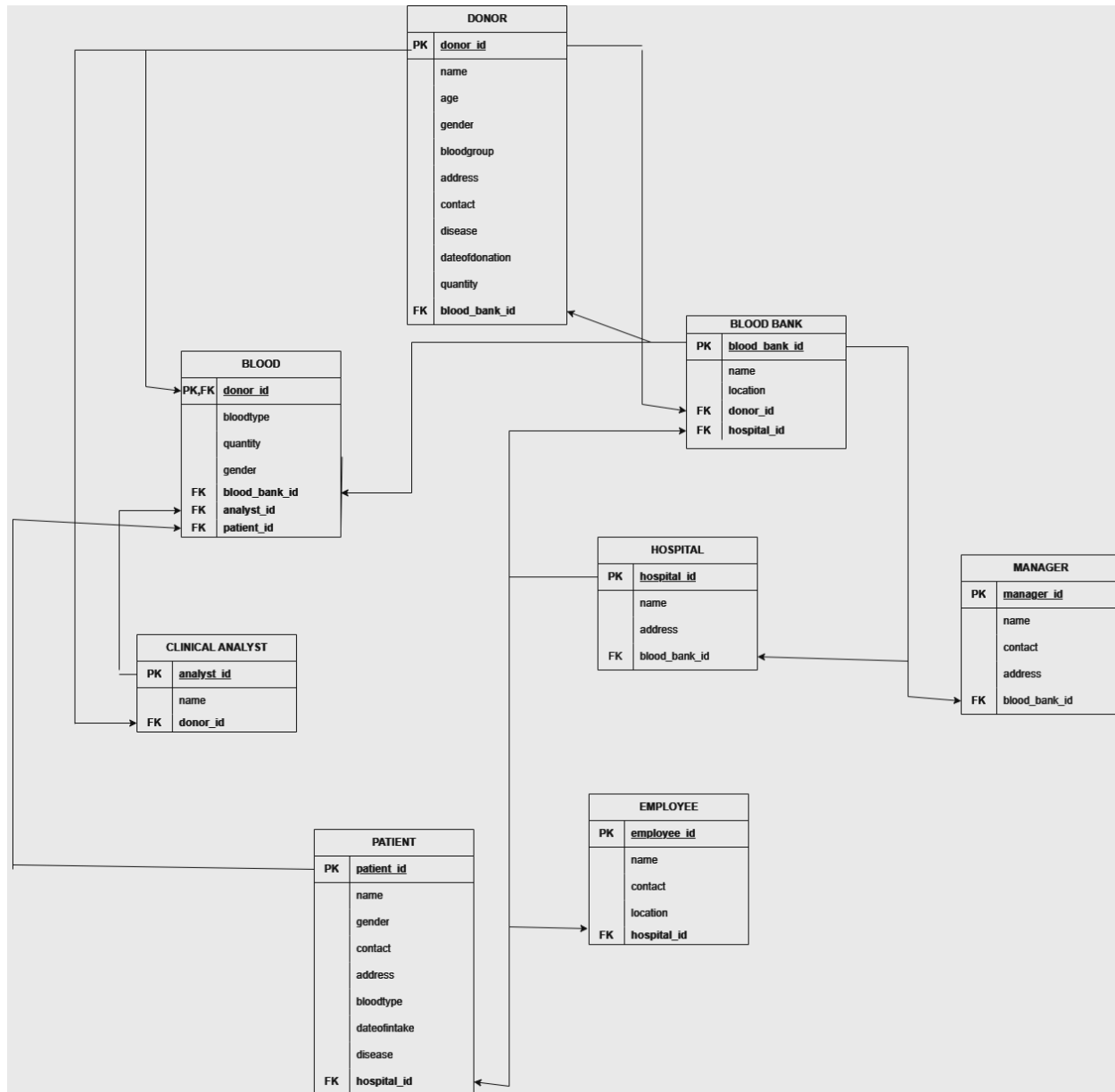
Overview

The project entitled BloodBank management system is a web based system that manages the patient and donor records that includes the personal information, Donation time and accepted time and information of Blood bank and hospital .It manages the employee records of both Hospital and BloodBank.

ER DIAGRAM:



RELATIONAL SCHEMA:



INFORMATION ABOUT ENTITIES :

I. DONOR:(Attributes : Donor_id,Name_,Age,Gender,address,disease, blood_group,contact,quantity,date_of_donation)

The donor is the person who donates blood , on donation a donor_id is generated and used as a primary key to identify the donor information . Other than that we have the information of the donor like name, age, gender, Contact, address.And we have the quantity of blood donated by that donor and the date they had denoted is also stored in the database under the DONOR entity.

II. BLOOD_BANK : (Attributes – Bloodbank_id,name_,location)

Blood banks in different places are for collecting blood samples .This entity stores the information regarding the blood bank like its bloodbank_id used as primary key and its name and location as other attributes .

III. MANAGER : (Attributes – Manager_id,name,contact,address,bloodbank_id)

This entity has the information regarding the person who takes care of the available blood samples in the blood bank , who is also responsible for handling blood requests from patients . He has a unique identification number Manager_id Used as primary key. It also contains the name ,contact , address of the blood bank manager.

IV. BLOOD : (Attributes – donor_id,quantity,blood_type,gender)

This entity contains the donor_id of the donor and the amount of blood they donate and blood group of the donor and their gender. Donor_id used as the primary key.

V. CLINICAL ANALYST : (Attributes – Analyst_id,Name_)

This entity consists of the information related to clinical analysts associated with a blood sample donated by a donor . Here Analyst_id is used as the primary key . It also has the name of the analyst.

VI. HOSPITAL : (Attributes – Hospital_id,name,address,bloodbank_id)

This entity gives information about the hospital which has unique hospital_id used as Primary key and its name and address

VII. EMPLOYEE : (Attributes – employee_id,name,contact,address,hospital_id)

This entity consists of information of employees working in different hospitals with unique employee_id as primary key. And their name , contact , address and the id of the hospital they are working in.

VIII. PATIENT : (Attributes – patient_id, name, age, gender, contact, address, blood type, date of intake, disease, hospital_id)

This entity consists of information regarding patients like patient_id used as Primary key . And their name,age,gender,contact,address,blood group and date when they were admitted . And the hospital_id in which they were admitted and their disease.

INFORMATION ABOUT RELATIONS:

1-DONOR AND BLOOD BANK

Relationship: “ donates “

Type of Relation : many to many

Explanation: A donor can donate to any blood bank and A blood bank can have any number of donors .

2-DONOR AND BLOOD

Relationship: “ doner”

Type of Relation : 1 to many

Explanation : A donor can donate blood many times in different quantities on different days .

3-BLOOD AND CLINICAL ANALYST

Relationship: “ analysis”

Type of Relation : many to many

Explanation : A blood sample can be analyzed by many analysts and An analyst can analyze many blood samples.

4-BLOOD AND PATIENT

Relationship: “receives”

Type of Relation : many to many

Explanation : A blood sample can be given to many patients till the sample is completely donated and similarly a patient can have many blood samples.

5-BLOOD BANK AND BLOOD

Relationship: “present”

Type of Relation : one to many

Explanation : A blood sample can be stored in one blood bank only whereas a blood bank can have any number of samples.

6-BLOOD BANK AND HOSPITAL

Relationship: “contacts”

Type of Relation : many to many

Explanation : A blood bank can be contacted by many hospitals and A hospital can contact many blood banks.

7-HOSPITAL AND PATIENT

Relationship: “admitted”

Type of Relation : one to many

Explanation :A hospital can have many patients But a patient can be admitted only in one hospital.

8-HOSPITAL AND EMPLOYEE

Relationship: “works in”

Type of Relation : one to many

Explanation : A hospital can have any number of employees but an employee can work in a single hospital.

9-BLOOD BANK AND MANAGER

Relationship: “works”

Type of Relation : one to many

Explanation :A blood bank can have only one manager and a manager can manage only one blood bank.

NORMALISATION:

DONOR:(Attributes : Donor_id (PK) ,Name_,Age,Gender,address,disease, blood_group,contact,quantity,date_of_donation)

Donor_id ->Name_

Donor_id -> Age

Donor_id ->Gender

Donor_id -> address

Donor_id ->disease

Donor_id ->blood_group

Donor_id ->contact

Donor_id ->quantity

Donor_id -> date_of_donation

Contact ->Age

Contact ->Gender

Contact ->address

Contact ->disease

Contact ->blood_group

Candidate-key : Donor_id

This is in 1NF,2NF not in 3NF

Donor_id->Contact and Contact->Age

Contact is a non-prime attribute that's why it is not in 3NF

DONOR1(Donor_id(PK),Quantity,Date_of_donation)

This is in 3NF

ContactInfo_Donor(Age,Gender,Disease,Address,Name_,BloodGroup,Contact(PK),

Donor_id(FK))

This is in 3NF

BLOOD_BANK : (Attributes – Bloodbank_id (PK) ,name_,location)

Bloodbank_id -> name_

Bloodbank_id ->location

Candidate-key :Bloodbank_id

This is in 1NF,2NF and 3NF

MANAGER : (Attributes – Manager_id(PK) ,name,contact,address,bloodbank_id(FK))

Manager_id ->name

Manager_id ->contact

Manager_id -> address

Manager_id -> bloodbank_id

Candidate-key :Manager_id

This is in 1NF,2NF and 3NF

BLOOD : (Attributes – donor_id(FK) ,quantity,blood_type,gender)

donor_id ->quantity

donor_id -> blood_type

donor_id -> gender

Candidate-key :donor_id

This is in 1NF,2NF and 3NF

CLINICAL ANALYST : (Attributes – Analyst_id(PK),Name_)

Analyst_id -> Name_

Candidate-key :Analyst_id

This is in 1NF,2NF and 3NF

HOSPITAL : (Attributes – Hospital_id(PK),name,address,bloodbank_id(FK))

Hospital_id -> name

Hospital_id -> address

Hospital_id -> bloodbank_id

Candidate-key :Hospital_id

This is in 1NF,2NF and 3NF

EMPLOYEE : (Attributes – employee_id(PK),name,contact,address,hospital_id(FK))

employee_id -> name

employee_id -> contact

employee_id -> address

employee_id -> hospital_id

Candidate-key :employee_id

This is in 1NF,2NF and 3NF

PATIENT : (Attributes – patient_id,(PK) name, age, gender, contact, address, blood type, date of intake, disease, hospital_id(FK))

patient_id -> name

patient_id -> age

patient_id -> gender

patient_id -> contact

patient_id -> address

patient_id -> bloodtype

patient_id -> date_of_intake

patient_id -> disease


patient_id -> hospital_id

Contact -> Age

Contact -> name

Contact -> gender

Contact -> address



Contact -> bloodtype

Candidate-key :patient_id

This is in 1NF,2NF not 3NF

patient_id -> Contact and Contact -> Age

Contact is a non-prime attribute so it is not in 3NF

patient(patient_id(PK),dateofintake,disease)

This is in 3NF

ContactInfo_Patient(name_,age,gender,address,bloodtype,contact(PK),patient_id(FK))

This is in 3NF

CREATING TABLES:

1-DONOR1

```
CREATE TABLE DONOR1 (
    Donor_id INT PRIMARY KEY,
    Quantity DECIMAL(10,2),
    Date_of_donation DATE
);
```

Result Grid						
Filter Rows:		Export:		Wrap Cell Content:		
Field	Type	Null	Key	Default	Extra	
Donor_id	int	NO	PRI	NULL		
Quantity	decimal(10,2)	YES		NULL		
Date_of_donation	date	YES		NULL		

2-ContactInfo_Donor

```
CREATE TABLE ContactInfo_Donor (
    Age INT,
    Gender VARCHAR(10),
    Disease VARCHAR(20),
    Address VARCHAR(50),
    Name_ VARCHAR(25),
    Bloodgroup VARCHAR(10),
    Contact varchar(10) INT PRIMARY KEY,
    Donor_id INT,
    primary key(Contact),
    FOREIGN KEY (Donor_id) REFERENCES DONOR1(Donor_id)
);
```

Result Grid						
Filter Rows:		Export:		Wrap Cell Content:		
Field	Type	Null	Key	Default	Extra	
Age	int	YES		NULL		
Gender	varchar(10)	YES		NULL		
Disease	varchar(20)	YES		NULL		
Address	varchar(50)	YES		NULL		
Name_	varchar(25)	YES		NULL		
Bloodgroup	varchar(10)	YES		NULL		
Contact	varchar(10)	YES		NULL		
Donor_id	int	YES	MUL	NULL		

3-Bloodbank

```
CREATE TABLE Bloodbank (
  id INT PRIMARY KEY,
  name_ VARCHAR(20),
  location VARCHAR(30)
);
```

Result Grid						
Filter Rows:		Export:		Wrap Cell Content:		
Field	Type	Null	Key	Default	Extra	
id	int	NO	PRI	NULL		
name_	varchar(20)	YES		NULL		
location	varchar(30)	YES		NULL		

4-manager

```
create table manager
(
  id int PRIMARY KEY,
  name_ varchar(30),
  contact varchar(10),
  address varchar(30),
  BloodBank_id int,
  primary key(id),
  foreign key(BloodBank_id) references BloodBank(id)
```

);

Result Grid Filter Rows: Export: Wrap Cell Content:						
	Field	Type	Null	Key	Default	Extra
►	id	int	YES		NULL	
	name_	varchar(30)	YES		NULL	
	contact	varchar(10)	YES		NULL	
	address	varchar(30)	YES		NULL	
	BloodBank_id	int	YES	MUL	NULL	

5-blood

CREATE TABLE blood

(
 Donor_id int PRIMARY KEY,
 bloodtype varchar(10),
 quantity DECIMAL(10,2),
 Bloodbank_id int,
 foreign key(Bloodbank_id) references BloodBank(id),
 FOREIGN KEY (Donor_id) REFERENCES DONOR1(Donor_id)
);

Result Grid Filter Rows: Export: Wrap Cell Content:						
	Field	Type	Null	Key	Default	Extra
►	Donor_id	int	NO	PRI	NULL	
	bloodtype	varchar(10)	YES		NULL	
	quantity	decimal(10,2)	YES		NULL	
	Bloodbank_id	int	YES	MUL	NULL	

6-clinical_analyst

CREATE TABLE clinical_analyst

(
 analyst_id INT PRIMARY KEY,
 name_ varchar(20)

```
);
```

Result Grid						
Filter Rows:		Export:				
Wrap Cell Content:						
Field	Type	Null	Key	Default	Extra	
analyst_id	int	NO	PRI	NULL		
name_	varchar(20)	YES		NULL		

7-HOSPITAL

```
CREATE TABLE HOSPITAL (
    id INT PRIMARY KEY,
    name VARCHAR(20),
    address VARCHAR(30)
);
```

Result Grid						
Filter Rows:		Export:				
Wrap Cell Content:						
Field	Type	Null	Key	Default	Extra	
id	int	NO	PRI	NULL		
name	varchar(20)	YES		NULL		
address	varchar(30)	YES		NULL		

8-employee

```
CREATE TABLE employee
(
    id int PRIMARY KEY,
    Hospital_id int,
    name_ varchar(20),
    address varchar(30),
    contact int,
    foreign key(Hospital_id) references HOSPITAL(id)
);
```



```
);
```

Result Grid						
Filter Rows:		Export:		Wrap Cell Content:		
	Field	Type	Null	Key	Default	Extra
▶	id	int	YES		NULL	
	Hospital_id	int	YES	MUL	NULL	
	name_	varchar(20)	YES		NULL	
	address	varchar(30)	YES		NULL	
	contact	varchar(10)	YES		NULL	

9-patient

create table patient

```
(
    patient_id INT PRIMARY KEY,
    dateofintake DATE,
    disease varchar(10)
);
```

Result Grid						
Filter Rows:		Export:		Wrap Cell Content:		
	Field	Type	Null	Key	Default	Extra
▶	patient_id	int	NO	PRI	NULL	
	dateofintake	date	YES		NULL	
	disease	varchar(10)	YES		NULL	

10 -ContactInfo_Patient

create table ContactInfo_Patient (

```
    Name_ VARCHAR(25),
    Age INT,
    Gender VARCHAR(10),
    Address VARCHAR(50),
    Bloodgroup VARCHAR(10),
    Contact INT PRIMARY KEY,
    patient_id INT,
```

FOREIGN KEY (patient_id) REFERENCES patient(patient_id)

);

Field	Type	Null	Key	Default	Extra
Name_	varchar(25)	YES		NULL	
Age	int	YES		NULL	
Gender	varchar(10)	YES		NULL	
Address	varchar(50)	YES		NULL	
Bloodgroup	varchar(10)	YES		NULL	
Contact	varchar(10)	YES		NULL	
patient_id	int	YES	MUL	NULL	

11 -donates

create table donates

(

Donor_id int,

BloodBank_id int,

primary key(Donor_id,BloodBank_id),

foreign key(Donor_id) references DONOR1(Donor_id),

foreign key(BloodBank_id) references Bloodbank(id)

);

Field	Type	Null	Key	Default	Extra
Donor_id	int	NO	PRI	NULL	
BloodBank_id	int	NO	PRI	NULL	

12-analysed

create table analysed

```
(
    Donor_id INT ,
    analyst_id INT ,
    PRIMARY KEY (Donor_id,analyst_id),
    FOREIGN KEY (Donor_id) REFERENCES DONOR1(Donor_id),
    FOREIGN KEY (analyst_id) REFERENCES clinical_analyst(analyst_id)
);
```

Result Grid						
		Filter Rows:			Export:	Wrap Cell Content:
	Field	Type	Null	Key	Default	Extra
►	Donor_id	int	NO	PRI	NULL	
	analyst_id	int	NO	PRI	NULL	

13-required_blood

create table required_blood

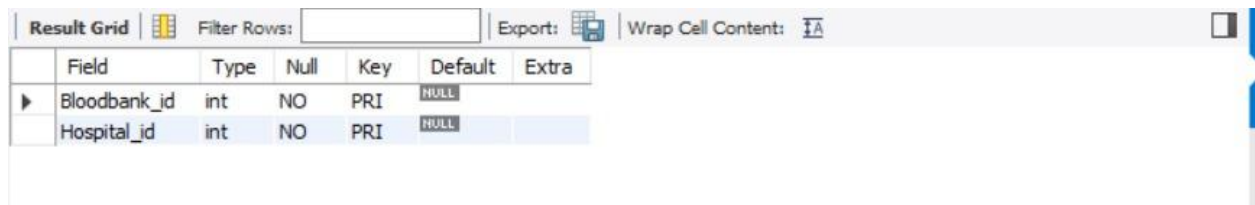
```
(
    Donor_id INT,
    patient_id INT,
    PRIMARY KEY(Donor_id,patient_id),
    FOREIGN KEY (Donor_id) REFERENCES DONOR1(Donor_id),
    FOREIGN KEY (patient_id) REFERENCES patient(patient_id)
);
```

Result Grid						
		Filter Rows:			Export:	Wrap Cell Content:
	Field	Type	Null	Key	Default	Extra
►	Donor_id	int	NO	PRI	NULL	
	patient_id	int	NO	PRI	NULL	

14-contacts

create table contacts

```
(  
    Bloodbank_id int,  
    Hospital_id int,  
    primary key(Bloodbank_id,Hospital_id),  
    foreign key(Bloodbank_id) references Bloodbank(id),  
    foreign key(Hospital_id) references HOSPITAL(id)  
);
```










The screenshot shows a database management tool interface. At the top, there is a toolbar with options like 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'. Below the toolbar is a table structure for a table named 'contacts'. The table has two columns: 'Bloodbank_id' and 'Hospital_id'. Both columns are of type 'int', have 'NO' for nullability, and 'PRI' for primary key status. The 'Default' column for both is 'NULL'. The 'Extra' column is empty.

Field	Type	Null	Key	Default	Extra
Bloodbank_id	int	NO	PRI	NULL	
Hospital_id	int	NO	PRI	NULL	

INSERTING VALUES:

1-DONOR1

```
insert into donor1 values(1,10.2,'2022-01-10');
insert into donor1 values(2,9.2,'2022-11-11');
insert into donor1 values(3,8.4,'2022-01-12');
insert into donor1 values(4,6,'2022-12-18');
insert into donor1 values(5,11.5,'2022-01-23');
insert into donor1 values(6,10,'2022-02-28');
insert into donor1 values(7,5,'2022-03-29');
insert into donor1 values(8,12,'2022-04-14');
insert into donor1 values(9,11.2,'2022-06-05');
insert into donor1 values(10,7.9,'2022-06-26');
insert into donor1 values(11,6.8,'2022-07-20');
insert into donor1 values(12,15,'2022-08-30');
insert into donor1 values(13,10,'2022-09-13');
insert into donor1 values(14,14.6,'2022-11-10');
insert into donor1 values(15,12.8,'2022-07-11');
```

Result Grid			
Filter Rows: <input type="text"/>			
Edit:   			
Export/Import:  			
Wrap Cell Content:  			
	Donor_id	Quantity	Date_of_donation
▶	1	10.20	2022-01-10
	2	9.20	2022-11-11
	3	8.40	2022-01-12
	4	6.00	2022-12-18
	5	11.50	2022-01-23
	6	10.00	2022-02-28
	7	5.00	2022-03-29
	8	12.00	2022-04-14
	9	11.20	2022-06-05
	10	7.90	2022-06-26
	11	6.80	2022-07-20
	12	15.00	2022-08-30
	13	10.00	2022-09-13
	14	14.60	2022-11-10
	15	12.80	2022-07-11
•	NULL	NULL	NULL

2-contactinfo_donor

insert into contactinfo_donor values(22,'m','bp','jntu hyderabad','abhay','a-','9876543210',1);

insert into contactinfo_donor values(32,'f','','jubilee hills
hyderabad','lakshmi','o+','8765432109',2);

insert into contactinfo_donor values(42,'m','cold','benz circle
vijayawada','arya','a+','9441173015',5);

insert into contactinfo_donor values(43,'m','cold','lakshmipuram
guntur','karan','b+','7659976939',6);

insert into contactinfo_donor values(28,'m','sugar','bhagyanagar
nellore','tushar','ab+','7654321098',3);

insert into contactinfo_donor values(26,'m','','kvp colony
guntur','pawan','a+','8000234561',7);

insert into contactinfo_donor values(35,'m','','rtc colony
vijayawada','vijay','b-','9008007001',8);

insert into contactinfo_donor values(36,'m','','hyz colony
khammam','karthik','o-','6005004001',9);

insert into contactinfo_donor values(30,'m','','kphb
hyderabad','ranbir','o+','3002001001',10);

insert into contactinfo_donor values(31,'m','','vijaya nagar colony
vijayawada','virat','a+','8765413209',11);

```
insert into contactinfo_donor values(27,'m','bp','housing board
onjole','mahi','b+','7776664441',12);
```

```
insert into contactinfo_donor values(28,'m','bp','housing board
onjole','rohit','o+',4545454545,13);
```

```
insert into contactinfo_donor values(33,'m','','svn colony
guntur','venkat','o+',9440567431,4);
```

```
insert into contactinfo_donor values(27,'m','','jbs colony
banglore','rahul','ab-',9494949123,14);
```

```
insert into contactinfo_donor values(28,'m','bp','krs colony
mumbai','hardik','b-',9441234567,15);
```

ender	Disease	Address	Name_	Bloodgroup	Contact	Donor_id
	bp	jntu hyderabad	abhay	a-	9876543210	1
		jubilee hills hyderabad	lakshmi	o+	8765432109	2
	cold	benz circle vijayawada	arya	a+	9441173015	5
	cold	lakshmipuram guntur	karan	b+	7659976939	6
	sugar	bhagyanagar nellore	tushar	ab+	7654321098	3
		kvp colony guntur	pawan	a+	8000234561	7
		rtc colony vijayawada	vijay	b-	9008007001	8
		hyz colony khammam	karthik	o-	6005004001	9
		kphb hyderabad	ranbir	o+	3002001001	10
		vijaya nagar colony vijayawada	virat	a+	8765413209	11
	bp	housing board onjole	mahi	b+	7776664441	12
	bp	housing board onjole	rohit	o+	4545454545	13
		svn colony guntur	venkat	o+	9440567431	4
		jbs colony banglore	rahul	ab-	9494949123	14
	bp	krs colony mumbai	hardik	b-	9441234567	15

3-bloodbank

```
insert into bloodbank values(100,'lifeblood bank','jntu hyderabad');
```

```
insert into bloodbank values(101,'bloodcare center','svn colony guntur');
```

```
insert into bloodbank values(102,'bloodlink center','housing board onjole');
```

```
insert into bloodbank values(103,'vitalflow blood bank','jubilee hills hyderabad');
```

```
insert into bloodbank values(104,'hopelife blood bank','benz circle vijayawada');
```

```
insert into bloodbank values(105,'angelcare blood bank','jbs colony banglore');
```

Result Grid			
Filter Rows:			
Edit:			
Export/Import:			
Wrap Cell Content:			
	id	name_	location
▶	100	lifeblood bank	jntu hyderabad
	101	bloodcare center	svn colony guntur
	102	bloodlink center	housing board onjole
	103	vitalflow blood bank	jubilee hills hyderabad
	104	hopelife blood bank	benz circle vijayawada
	105	angelcare blood bank	jbs colony banglore
+	NULL	NULL	NULL

4-manager

```
insert into manager values(1,'raj','1234567890','jntu hyderabad',100);
```

```
insert into manager values(2,'priya','2345678901','benz circle vijayawada',100);
```

```
insert into manager values(3,'pooja','3456789012','housing board onjole',100);
```

```
insert into manager values(1,'arjun','4567890123','kvp colony guntur',101);
```

```
insert into manager values(2,'neha','5678901234','krs colony mumbai',101);
```

```
insert into manager values(3,'anjali','6789012345','ntr colony vijayawada',101);
```

```
insert into manager values(4,'meera','7890123456','housing board onjole',102);
```

```
insert into manager values(5,'amit','8901234567','patnam bagar khammam',102);
```

```
insert into manager values(6,'sumit','9012345678','krs colony mumbai',102);
```

```
insert into manager values(8,'manoj','9898989898','benz circle vijayawada',103);
```

```
insert into manager values(7,'ajay','8787878787','ntr colony vijayawada',103);
```

```
insert into manager values(9,'kavitha','7676767676','kvp colony guntur',103);
```

```
insert into manager values(1,'praveen','6565656565','krs colony mumbai',104);
```

```
insert into manager values(2,'ravi','5454545454','housing board onjole',104);
```

```
insert into manager values(3,'pradeep','4343434343','patnam bagar khammam',104);
```

```
insert into manager values(4,'suma','9998887776','benz circle vijayawada',105);
```

```
insert into manager values(5,'koushik','6665554443','ntr colony vijayawada',105);
```


insert into manager values(6,'kalyan','3332221110','kvp colony guntur',105);

Result Grid					
		Filter Rows:	Export:	Wrap Cell Content:	
	id	name_	contact	address	BloodBank_id
▶	1	raj	1234567890	jntu hyderabad	100
	2	priya	2345678901	benz circle vijayawada	100
	3	pooja	3456789012	housing board onjole	100
	1	arjun	4567890123	kvp colony guntur	101
	2	neha	5678901234	krs colony mumbai	101
	3	anjali	6789012345	ntr colony vijayawada	101
	4	meera	7890123456	housing board onjole	102
	5	amit	8901234567	patnam bagar khammam	102
	6	sumit	9012345678	krs colony mumbai	102
	8	manoj	9898989898	benz circle vijayawada	103
	7	ajay	8787878787	ntr colony vijayawada	103
	9	kavitha	7676767676	kvp colony guntur	103
	1	praveen	6565656565	krs colony mumbai	104
	2	ravi	5454545454	housing board onjole	104
	3	pradeep	4343434343	patnam bagar khammam	104
	4	suma	9998887776	benz circle vijayawada	105
	5	koushik	6665554443	ntr colony vijayawada	105
	6	kalyan	3332221110	kvp colony guntur	105

5-blood

insert into blood values(1,'A+',1.5,100);

insert into blood values(2,'A+',0.5,100);

insert into blood values(3,'O+',2,101);

insert into blood values(4,'O+',1.5,101);

insert into blood values(5,'A-',1,101);

insert into blood values(6,'B+',1.2,102);

insert into blood values(7,'B+',1.7,102);

insert into blood values(8,'AB+',1.8,102);

insert into blood values(9,'O-',1.2,103);

insert into blood values(10,'O-',0.5,103);

insert into blood values(11,'B-',0.7,103);

insert into blood values(12,'AB+',0.8,104);

insert into blood values(13,'AB-',0.35,104);

insert into blood values(14,'AB-',1,105);

insert into blood values(15,'B-',1.5,105);

Result Grid				
Filter Rows:				
Edit: Export/Import: Wrap Cell Content:				
	Donor_id	bloodtype	quantity	Bloodbank_id
1	A+	1.50	100	
2	A+	0.50	100	
3	O+	2.00	101	
4	O+	1.50	101	
5	A-	1.00	101	
6	B+	1.20	102	
7	B+	1.70	102	
8	AB+	1.80	102	
9	O-	1.20	103	
10	O-	0.50	103	
11	B-	0.70	103	
12	AB+	0.80	104	
13	AB-	0.35	104	
14	AB-	1.00	105	
15	B-	1.50	105	
*	NULL	NULL	NULL	NULL

6-clinical_analyst

```

insert into clinical_analyst values(601,'Rohit');
insert into clinical_analyst values(602,'Sanjana');
insert into clinical_analyst values(603,'Dheeraj');
insert into clinical_analyst values(604,'Panvik');
insert into clinical_analyst values(605,'Dhanush');
insert into clinical_analyst values(606,'Sarayu');
insert into clinical_analyst values(607,'Travis');

```

Result Grid		Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
analyst_id	name_				
601	Rohit				
602	Sanjana				
603	Dheeraj				
604	Parvik				
605	Dhanush				
606	Sarayu				
607	Travis				
NULL	NULL				

7-hospital

insert into hospital values(201,'cityscape hospital','jntu hyderabad');

insert into hospital values(202,'haven hospital','hyz colony khammam');

insert into hospital values(203,'gracecare hospital','jbs colony banglore');

insert into hospital values(204,'mercy hospital','kphb hyderabad');

insert into hospital values(205,'usha hospital','hitech city hyderabad');

Result Grid		Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
id	name	address			
201	cityscape hospital	jntu hyderabad			
202	haven hospital	hyz colony khammam			
203	gracecare hospital	jbs colony banglore			
204	mercy hospital	kphb hyderabad			
205	usha hospital	hitech city hyderabad			
NULL	NULL	NULL			

8-employee

insert into employee values(902,201,'Ravi','jntu hyderabad','9876446909');

insert into employee values(903,201,'Kapil','lb nagar hyderabad','9896346909');

insert into employee values(904,201,'Jalandhar','moosapet hyderabad','9879046909');

insert into employee values(905,202,'Gagan','wyr road khammam','9876896909');

insert into employee values(906,202,'Saritha','yellandu khammam','9976346909');

insert into employee values(907,202,'Krishna','kaman bazaar khammam','9976340909');

insert into employee values(908,202,'Gowthami','zp centre khammam','9676346909');

```

insert into employee values(909,203,'Harshit','Ap road Bangalore','8976346909');
insert into employee values(910,203,'Rohit','chinnaswamy Bangalore','5646346909');
insert into employee values(911,203,'Tilak','jbs colony Bangalore','5656346909');
insert into employee values(912,203,'Mahendra','jbs Bangalore','7866346909');
insert into employee values(913,204,'Raj','kphb hyderabad','7386346909');
insert into employee values(914,204,'Smriti','jntu hyderabad','8336346909');
insert into employee values(915,204,'Shreyanka','kothapur hyderabad','9346346909');
insert into employee values(916,204,'Nirmala','jntu hyderabad','7886346909');
insert into employee values(917,205,'Sabita','hitech hyderabad','6556346909');
insert into employee values(918,205,'Koushik','jntu hyderabad','5696346909');
insert into employee values(919,205,'Ram','miyapur hyderabad','3476346909');
insert into employee values(920,205,'Mahesh','miyapur hyderabad','9886346909');
insert into employee values(921,201,'Rahman','pragati nagar hyderabad','9236346909');
insert into employee values(922,204,'Jay','lb nagar hyderabad','9566346909');

```

Result Grid					
Filter Rows: <input type="text"/>					
Export: <input type="text"/>					
Wrap Cell Content: <input type="text"/>					
	id	Hospital_id	name_	address	contact
▶	902	201	Ravi	jntu hyderabad	9876446909
	903	201	Kapil	lb nagar hyderabad	9896346909
	904	201	Jalandhar	moosapet hyderabad	9879046909
	905	202	Gagan	wyra road khammam	9876896909
	906	202	Saritha	yellandu khammam	9976346909
	907	202	Krishna	kaman bazaar khammam	9976340909
	908	202	Gowthami	zp centre khammam	9676346909
	909	203	Harshit	Ap road Bangalore	8976346909
	910	203	Rohit	chinnaswamy Bangalore	5646346909
	911	203	Tilak	jbs colony Bangalore	5656346909
	912	203	Mahendra	jbs Bangalore	7866346909
	913	204	Raj	kphb hyderabad	7386346909
	914	204	Smriti	jntu hyderabad	8336346909
	915	204	Shreyanka	kothapur hyderabad	9346346909
	916	204	Nirmala	jntu hyderabad	7886346909
	917	205	Sabita	hitech hyderabad	6556346909
	918	205	Koushik	jntu hyderabad	5696346909
	919	205	Ram	miyapur hyderabad	3476346909
	920	205	Mahesh	miyapur hyderabad	9886346909
	921	201	Rahman	pragati nagar hyderabad	9236346909
	922	204	Jay	lb nagar hyderabad	9566346909

9-patient

```

insert into patient values(8101,'2023-02-11','cholera');
insert into patient values(8102,'2023-04-12','malaria');
insert into patient values(8103,'2023-05-01','leprosy');
insert into patient values(8104,'2023-06-19','dengue');
insert into patient values(8105,'2023-02-17','small pox');
insert into patient values(8106,'2023-01-12','dengue');
insert into patient values(8107,'2023-04-23','malaria');
insert into patient values(8108,'2023-05-25','psoriasis');
insert into patient values(8109,'2023-09-10','dengue');
insert into patient values(8110,'2023-11-07','measles');
insert into patient values(8111,'2023-12-29','influenza');
insert into patient values(8112,'2023-07-21','malaria');
insert into patient values(8113,'2023-09-16','dengue');
insert into patient values(8114,'2023-01-10','leprosy');
insert into patient values(8115,'2023-02-19','cholera');

```

Result Grid			
Filter Rows:			
Edit:			
Export/Import:			
Wrap Cell Content:			
patient_id	dateofintake	disease	
8101	2023-02-11	cholera	
8102	2023-04-12	malaria	
8103	2023-05-01	leprosy	
8104	2023-06-19	dengue	
8105	2023-02-17	small pox	
8106	2023-01-12	dengue	
8107	2023-04-23	malaria	
8108	2023-05-25	psoriasis	
8109	2023-09-10	dengue	
8110	2023-11-07	measles	
8111	2023-12-29	influenza	
8112	2023-07-21	malaria	
8113	2023-09-16	dengue	
8114	2023-01-10	leprosy	
8115	2023-02-19	cholera	
NULL	NULL	NULL	

10-ContactInfo_Patient

```

insert into ContactInfo_Patient values('raju',42,'m','kphb hyd','A+','9873456289',8101);
insert into ContactInfo_Patient values('anjana',24,'m','jntu hyd','B+','6453456289',8102);
insert into ContactInfo_Patient values('sirisha',40,'m','moosapet
hyd','AB+','6773456289',8103);
insert into ContactInfo_Patient values('rishi',35,'m','lb nagar hyd','O+','9973456289',8104);
insert into ContactInfo_Patient values('ankita',32,'m','miyapur hyd','AB-','8973456289',8105);
insert into ContactInfo_Patient values('gagan',56,'m','jbs bangalore','A+','7773456289',8106);
insert into ContactInfo_Patient values('rajeev',78,'m','kphb hyd','B+','8873456289',8107);
insert into ContactInfo_Patient values('jagan',23,'m','ab bangalore','B-','9073456289',8108);
insert into ContactInfo_Patient values('babu',17,'m','jntu hyd','AB+','9373456289',8109);
insert into ContactInfo_Patient values('hasini',30,'m','jubilee hyd','AB-','5673456289',8110);
insert into ContactInfo_Patient values('rani',40,'m','zp kmm','O-','2343456289',8111);
insert into ContactInfo_Patient values('dheeraj',32,'m','benz circle
vjwt','O+','9993456289',8112);
insert into ContactInfo_Patient values('naveen',50,'m','jntu hyd','A+','8783456289',8113);
insert into ContactInfo_Patient values('farooq',29,'m','miyapur hyd','O+','8883456289',8114);
insert into ContactInfo_Patient values('mira',4,'m','kphb hyd','AB+','7873456289',8115);

```

Result Grid							
Filter Rows:				Export:		Wrap Cell Content:	
Name_	Age	Gender	Address	Bloodgroup	Contact	patient_id	
raju	42	m	kphb hyd	A+	9873456289	8101	
anjana	24	m	jntu hyd	B+	6453456289	8102	
sirisha	40	m	moosapet hyd	AB+	6773456289	8103	
rishi	35	m	lb nagar hyd	O+	9973456289	8104	
ankita	32	m	miyapur hyd	AB-	8973456289	8105	
gagan	56	m	jbs bangalore	A+	7773456289	8106	
rajeev	78	m	kphb hyd	B+	8873456289	8107	
jagan	23	m	ab bangalore	B-	9073456289	8108	
babu	17	m	jntu hyd	AB+	9373456289	8109	
hasini	30	m	jubilee hyd	AB-	5673456289	8110	
rani	40	m	zp kmm	O-	2343456289	8111	
dheeraj	32	m	benz circle vjw	O+	9993456289	8112	
naveen	50	m	jntu hyd	A+	8783456289	8113	
farooq	29	m	miyapur hyd	O+	8883456289	8114	
mira	4	m	kphb hyd	AB+	7873456289	8115	

11-donates

```
insert into donates values(1,100);
insert into donates values(1,101);
insert into donates values(2,102);
insert into donates values(2,103);
insert into donates values(5,104);
insert into donates values(6,105);
insert into donates values(3,100);
insert into donates values(3,101);
insert into donates values(5,102);
insert into donates values(5,103);
insert into donates values(6,104);
insert into donates values(7,105);
insert into donates values(8,100);
insert into donates values(9,101);
insert into donates values(10,102);
insert into donates values(11,103);
insert into donates values(12,104);
insert into donates values(13,105);
insert into donates values(4,100);
insert into donates values(4,101);
insert into donates values(14,101);
insert into donates values(15,102);
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

	Donor_id	BloodBank_id
▶	1	100
	3	100
	4	100
	8	100
	1	101
	3	101
	4	101
	9	101
	14	101
	2	102
	5	102
	10	102
	15	102
	2	103
	5	103
	11	103
	5	104
	6	104
	12	104
	6	105
	7	105
	13	105
*	NULL	NULL

donates 4 x Apply

12-analysed







```

insert into analysed values(1,601);
insert into analysed values(2,601);
insert into analysed values(3,602);
insert into analysed values(4,602);
insert into analysed values(5,603);
insert into analysed values(6,604);
insert into analysed values(7,604);
insert into analysed values(8,601);
insert into analysed values(9,605);
insert into analysed values(10,606);
insert into analysed values(11,606);
insert into analysed values(12,607);
insert into analysed values(13,607);

```


insert into analysed values(14,602);

insert into analysed values(15,603);

Result Grid		
Filter Rows: <input type="text"/>		
Edit:   		
Export/Import:  		
Wrap Cell Content: 		
	Donor_id	analyst_id
▶	1	601
	2	601
	8	601
	3	602
	4	602
	14	602
	5	603
	15	603
	6	604
	7	604
	9	605
	10	606
	11	606
	12	607
	13	607
•	NULL	NULL

13-required_blood

insert into required_blood values(1,8101);

insert into required_blood values(2,8103);

insert into required_blood values(3,8105);

insert into required_blood values(4,8107);

insert into required_blood values(5,8109);

insert into required_blood values(6,8111);

insert into required_blood values(7,8113);

insert into required_blood values(8,8115);

insert into required_blood values(9,8102);

insert into required_blood values(10,8104);








insert into required_blood values(11,8106);

insert into required_blood values(12,8108);

insert into required_blood values(13,8110);

insert into required_blood values(14,8112);

insert into required_blood values(15,8114);

Result Grid		
Filter Rows: <input type="text"/>		
Edit:   		
Export/Import:  		
Wrap Cell Content:  		
	Donor_id	patient_id
▶	1	8101
	9	8102
	2	8103
	10	8104
	3	8105
	11	8106
	4	8107
	12	8108
	5	8109
	13	8110
	6	8111
	14	8112
	7	8113
	15	8114
	8	8115
•	NULL	NULL

14-contacts

insert into contacts values(101,201);

insert into contacts values(101,204);

insert into contacts values(101,205);

insert into contacts values(100,202);

insert into contacts values(100,203);

insert into contacts values(100,204);

insert into contacts values(102,201);

insert into contacts values(102,203);

insert into contacts values(102,205);

insert into contacts values(103,202);

insert into contacts values(103,204);

insert into contacts values(103,201);

insert into contacts values(104,205);

insert into contacts values(104,204);

```
insert into contacts values(105,203);
```

Result Grid		Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
Bloodbank_id	Hospital_id				
101	201				
102	201				
103	201				
105	201				
100	202				
103	202				
105	202				
100	203				
102	203				
104	203				
105	203				
100	204				
101	204				
103	204				
104	204				
101	205				
102	205				
104	205				
NULL	NULL				

QUERIES:

1) How many patients are below the age of 25

select count(patient_id) from contactinfo_patient where age<=25;

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	count(patient_id)			
▶	4			

2) Give the patients whose blood group is 'AB-'

select patient_id,name_ from contactinfo_patient
where bloodgroup like 'AB-';

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	patient_id	name_		
▶	8105	ankita		
	8110	hasini		

3) Give the donors who have any disease

select donor_id,name_,disease from contactinfo_donor
where disease not like ";

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	donor_id	name_	disease	
▶	1	abhay	bp	
	5	arya	cold	
	6	karan	cold	
	3	tushar	sugar	
	12	mahi	bp	
	13	rohit	bp	
	15	hardik	bp	

4) Give the average age of patients who is suffering from dengue

```
select round(avg(c.age),1) from contactinfo_patient c, patient p
where p.patient_id=c.patient_id
and p.disease='dengue';
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	round(avg(c.age),1)			
▶	39.5			

5) Find the disease (if any) suffering by donor named 'Mahi'

```
select c.disease from donor1 d,contactinfo_donor c
where d.donor_id=c.donor_id
and c.name_='mah';
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	disease			
▶	bp			

Resets all sorted columns