

University of Asia Pacific

Database Project

Submitted to:

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Assistant professor

Dept. of CSE

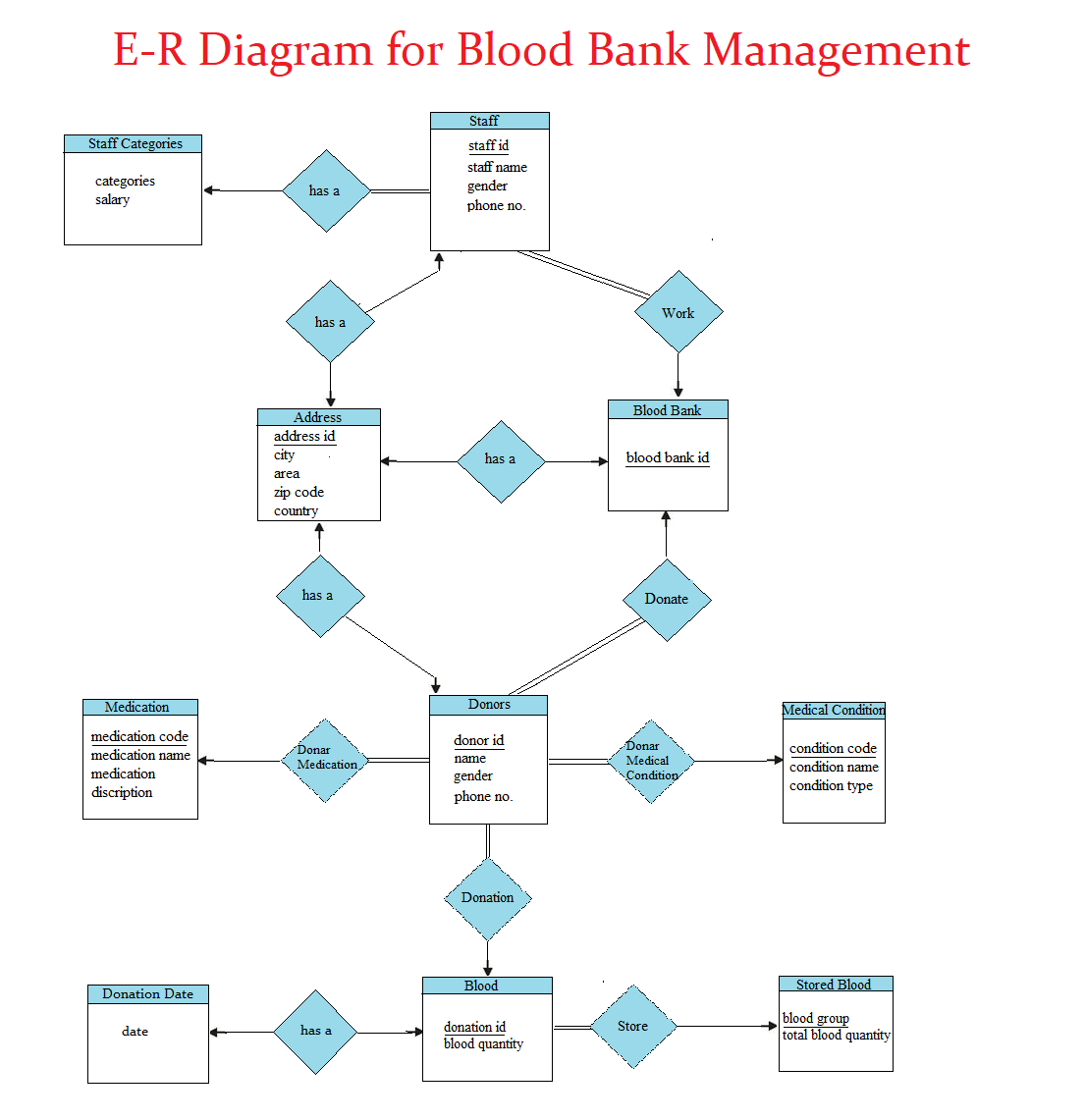
Student ID:

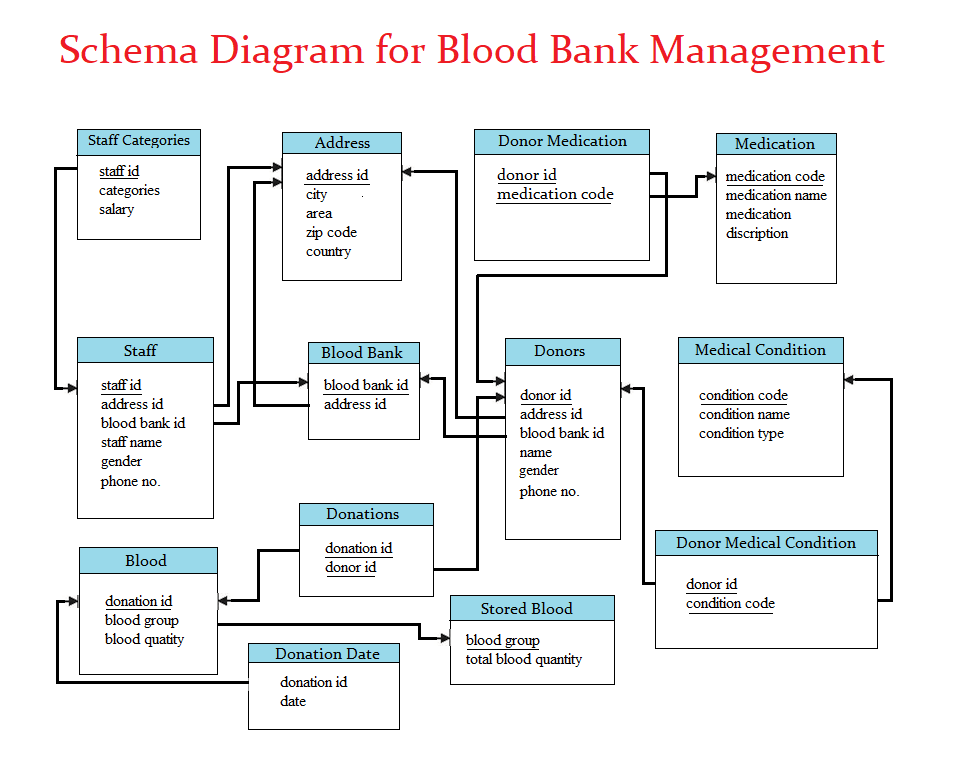
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**Project Discription:**

In a Blood Bank, donors comes for donate there blood. Many categories of staffs works in here. Blood Bank gathered donors and staffs full address. Donors before donate there blood they need face some Medical Condition check. Then Donors donate many types of blood and blood bank stored all types of blood. Donors allow to donate blood 4 months later from his last donation date. After donation if they have face any problem, then donors gets Medication facilities.





**DDL**

**File:**



**Main DDL Code:**

create database Blood\_Bank

use Blood\_Bank

create table Address(

address\_id varchar(30),

city varchar(30),

area varchar(30),

zip\_code varchar(30),

country varchar(30),

constraint pri\_Address primary key(address\_id)

);

insert into Address

values

('BD930000302','Dhaka','Uttara','1230','Bangladesh'),

('BD1820402389','Dhaka','Farmgate','1215','Bangladesh'),

('BD2084380797','Dhaka','Dhanmondi','1209','Bangladesh'),

('BD3685178354','Dhaka','Banani','1213','Bangladesh'),

('BD4195222581','Dhaka','Mirpur','1216','Bangladesh'),

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('BD150081059574','Dhaka','Uttara','1230','Bangladesh'),

('BD159745989574','Dhaka','Motijheel','1240','Bangladesh')

create table Blood\_Bank(

blood\_bank\_id varchar(30),

address\_id varchar(30),

constraint pri\_Blood\_Bank primary key(blood\_bank\_id),

constraint frn\_Blood\_Bank foreign key(address\_id) references Address(address\_id)

);

DROP TABLE Blood\_Bank

insert into Blood\_Bank

values

('BBI86S','BD930000302'),

('BBI87S','BD159745989574')

create table Donors(

donor\_id varchar (30),

address\_id varchar(30),

blood\_bank\_id varchar(30),

name varchar(30),

gender varchar (30),

phone\_no varchar(30),

constraint pri\_Donors primary key(donor\_id),

constraint frn\_Donors\_address foreign key(address\_id) references Address(address\_id),

constraint frn\_Donor\_bloodbankid foreign key(blood\_bank\_id) references Blood\_Bank(blood\_bank\_id)

);

insert into Donors

values

('DNI001','BD41113107829','BBI86S','Sohel','Male','+880-115-558-6625 '),

('DNI002','BD42081059574','BBI86S','Sayed','Male','+880-195-557-0872 '),

('DNI003','BD43660073421','BBI86S','arman','Male','+880-115-556-5939 '),

('DNI004','BD44962621935','BBI86S','zawad','Male','+880-185-551-4915 '),

('DNI005','BD45414497507','BBI87S','Ricky','Male','+880-115-551-8063 '),

('DNI006','BD46220446439','BBI86S','Masum','Male','+880-115-558-9120 '),

('DNI007','BD4735536036','BBI87S','Faiaz','Male',' +880-185-558-2440 '),

('DNI008','BD48180024579','BBI86S','salman','Male','+880-115-559-0601 '),

('DNI009','BD49113107829','BBI87S','Sohel','Male','+880-115-558-6626'),

('DNI010','BD50081059574','BBI86S','Sayed','Male','+880-195-557-0873'),

('DNI011','BD51660073421','BBI87S','arman','Male','+880-115-556-5940'),

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('DNI020','BD60962621935','BBI86S','zawad','Male','+880-185-551-4917'),

('DNI021','BD61414497507','BBI86S','Ricky','Male','+880-115-551-8065'),

('DNI022','BD62220446439','BBI86S','Masum','Male','+880-115-558-9122'),

('DNI023','BD6335536036','BBI86S','Faiaz','Male','+880-185-558-2442'),

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('DNI102','BD142081059574','BBI87S','Sayed','Male','+880-195-557-0877'),

('DNI103','BD143660073421','BBI86S','arman','Male','+880-115-556-5944'),

('DNI104','BD144962621935','BBI87S','zawad','Male','+880-185-551-4920'),

('DNI105','BD145414497507','BBI86S','Ricky','Male','+880-115-551-8068'),

('DNI106','BD146220446439','BBI86S','Masum','Male','+880-115-558-9125'),

('DNI107','BD14735536036','BBI87S','Faiaz','Male','+880-185-558-2445'),

('DNI108','BD148180024579','BBI86S','salman','Male','+880-115-559-0606'),

('DNI109','BD149113107829','BBI87S','Sohel','Male','+880-115-558-6631'),

('DNI110','BD150081059574','BBI86S','Sayed','Male ','+880-195-557-0878')

drop table Donors

create table Stored\_Blood(

blood\_group varchar(32),

total\_blood\_quantity varchar(32),

constraint pri\_Stored\_Blood primary key(blood\_group)

);

insert into Stored\_Blood

values

('A+','26 bag'),

('O+','30 bag'),

('B+','28 bag'),

('AB+','16 bag'),

('A-','18 bag'),

('O-','10 bag'),

('B-','21 bag'),

('AB-','23 bag')

create table Blood (

donation\_id varchar(32),

blood\_group varchar(32),

blood\_quantity varchar(32),

Constraint pr\_Blood primary key(donation\_id),

constraint fr\_Blood foreign key (blood\_group )references Stored\_Blood(blood\_group )

);

insert into Blood

values

('DOISE231001','A+','1 bag'),

('DOISE231002','O+','2 bag'),

('DOISE231003','B+','1 bag'),

('DOISE231004','AB+','1 bag'),

('DOISE231005','A-','3 bag'),

('DOISE231006','O-','2 bag'),

('DOISE231007','B-','1 bag'),

('DOISE231008','AB-','3 bag'),

('DOISE231009','A+','1 bag'),

('DOISE231010','O+','2 bag'),

('DOISE231011','B+','1 bag'),

('DOISE231012','AB+','1 bag'),

('DOISE231013','A-','3 bag'),

('DOISE231014','O-','2 bag'),

('DOISE231015','B-','1 bag'),

('DOISE231016','AB-','3 bag'),

('DOISE231017','A+','1 bag'),

('DOISE231018','O+','2 bag'),

('DOISE231019','B+','1 bag'),

('DOISE231020','AB+','1 bag'),

('DOISE231021','A-','3 bag'),

('DOISE231022','O-','2 bag'),

('DOISE231023','B-','1 bag'),

('DOISE231024','AB-','3 bag'),

('DOISE231025','A+','1 bag'),

('DOISE231026','O+','2 bag'),

('DOISE231027','B+','1 bag'),

('DOISE231028','AB+','1 bag'),

('DOISE231029','A-','3 bag'),

('DOISE231030','O-','2 bag'),

('DOISE231031','B-','1 bag'),

('DOISE231032','AB-','3 bag'),

('DOISE231033','A+','1 bag'),

('DOISE231034','O+','2 bag'),

('DOISE231035','B+','1 bag'),

('DOISE231036','AB+','1 bag'),

('DOISE231037','A-','3 bag'),

('DOISE231038','O-','2 bag'),

('DOISE231039','B-','1 bag'),

('DOISE231040','AB-','3 bag'),

('DOISE231041','A+','1 bag'),

('DOISE231042','O+','2 bag'),

('DOISE231043','B+','1 bag'),

('DOISE231044','AB+','1 bag'),

('DOISE231045','A-','3 bag'),

('DOISE231046','O-','2 bag'),

('DOISE231047','B-','1 bag'),

('DOISE231048','AB-','3 bag'),

('DOISE231049','A+','1 bag'),

('DOISE231050','O+','2 bag'),

('DOISE231051','B+','1 bag'),

('DOISE231052','AB+','1 bag'),

('DOISE231053','A-','3 bag'),

('DOISE231054','O-','2 bag'),

('DOISE231055','B-','1 bag'),

('DOISE231056','AB-','3 bag'),

('DOISE231057','A+','1 bag'),

('DOISE231058','O+','2 bag'),

('DOISE231059','B+','1 bag'),

('DOISE231060','AB+','1 bag'),

('DOISE231061','A-','3 bag'),

('DOISE231062','O-','2 bag'),

('DOISE231063','B-','1 bag'),

('DOISE231064','AB-','3 bag'),

('DOISE231065','A+','1 bag'),

('DOISE231066','O+','2 bag'),

('DOISE231067','B+','1 bag'),

('DOISE231068','AB+','1 bag'),

('DOISE231069','A-','3 bag'),

('DOISE231070','O-','2 bag'),

('DOISE231071','B-','1 bag'),

('DOISE231072','AB-','3 bag'),

('DOISE231073','A+','1 bag'),

('DOISE231074','O+','2 bag'),

('DOISE231075','B+','1 bag'),

('DOISE231076','AB+','1 bag'),

('DOISE231077','A-','3 bag'),

('DOISE231078','O-','2 bag'),

('DOISE231079','B-','1 bag'),

('DOISE231080','AB-','3 bag'),

('DOISE231081','A+','1 bag'),

('DOISE231082','O+','2 bag'),

('DOISE231083','B+','1 bag'),

('DOISE231084','AB+','1 bag'),

('DOISE231085','A-','3 bag'),

('DOISE231086','O-','2 bag'),

('DOISE231087','B-','1 bag'),

('DOISE231088','AB-','3 bag'),

('DOISE231089','A+','1 bag'),

('DOISE231090','O+','2 bag'),

('DOISE231091','B+','1 bag'),

('DOISE231092','AB+','1 bag'),

('DOISE231093','A-','3 bag'),

('DOISE231094','O-','2 bag'),

('DOISE231095','B-','1 bag'),

('DOISE231096','AB-','3 bag'),

('DOISE231097','A+','1 bag'),

('DOISE231098','O+','2 bag'),

('DOISE231099','B+','1 bag'),

('DOISE231100','AB+','1 bag'),

('DOISE231101','A-','3 bag'),

('DOISE231102','O-','2 bag'),

('DOISE231103','B-','1 bag'),

('DOISE231104','AB-','3 bag'),

('DOISE231105','A+','1 bag'),

('DOISE231106','O+','2 bag'),

('DOISE231107','B+','1 bag'),

('DOISE231108','AB+','1 bag'),

('DOISE231109','A-','3 bag'),

('DOISE231110','O-','2 bag')

create table Donations(

donation\_id varchar(32),

donor\_id varchar(30),

constraint pri\_Donation primary key(donor\_id,donation\_id),

constraint frn1\_Donation foreign key(donor\_id)references Donors(donor\_id),

constraint frn2\_Donation foreign key(donation\_id)references Blood(donation\_id)

);

insert into Donations

values

('DOISE231001','DNI001'),

('DOISE231002','DNI002'),

('DOISE231003','DNI003'),

('DOISE231004','DNI004'),

('DOISE231005','DNI005'),

('DOISE231006','DNI006'),

('DOISE231007','DNI007'),

('DOISE231008','DNI008'),

('DOISE231009','DNI009'),

('DOISE231010','DNI010'),

('DOISE231011','DNI011'),

('DOISE231012','DNI012'),

('DOISE231013','DNI013'),

('DOISE231014','DNI014'),

('DOISE231015','DNI015'),

('DOISE231016','DNI016'),

('DOISE231017','DNI017'),

('DOISE231018','DNI018'),

('DOISE231019','DNI019'),

('DOISE231020','DNI020'),

('DOISE231021','DNI021'),

('DOISE231022','DNI022'),

('DOISE231023','DNI023'),

('DOISE231024','DNI024'),

('DOISE231025','DNI025'),

('DOISE231026','DNI026'),

('DOISE231027','DNI027'),

('DOISE231028','DNI028'),

('DOISE231029','DNI029'),

('DOISE231030','DNI030'),

('DOISE231031','DNI031'),

('DOISE231032','DNI032'),

('DOISE231033','DNI033'),

('DOISE231034','DNI034'),

('DOISE231035','DNI035'),

('DOISE231036','DNI036'),

('DOISE231037','DNI037'),

('DOISE231038','DNI038'),

('DOISE231039','DNI039'),

('DOISE231040','DNI040'),

('DOISE231041','DNI041'),

('DOISE231042','DNI042'),

('DOISE231043','DNI043'),

('DOISE231044','DNI044'),

('DOISE231045','DNI045'),

('DOISE231046','DNI046'),

('DOISE231047','DNI047'),

('DOISE231048','DNI048'),

('DOISE231049','DNI049'),

('DOISE231050','DNI050'),

('DOISE231051','DNI051'),

('DOISE231052','DNI052'),

('DOISE231053','DNI053'),

('DOISE231054','DNI054'),

('DOISE231055','DNI055'),

('DOISE231056','DNI056'),

('DOISE231057','DNI057'),

('DOISE231058','DNI058'),

('DOISE231059','DNI059'),

('DOISE231060','DNI060'),

('DOISE231061','DNI061'),

('DOISE231062','DNI062'),

('DOISE231063','DNI063'),

('DOISE231064','DNI064'),

('DOISE231065','DNI065'),

('DOISE231066','DNI066'),

('DOISE231067','DNI067'),

('DOISE231068','DNI068'),

('DOISE231069','DNI069'),

('DOISE231070','DNI070'),

('DOISE231071','DNI071'),

('DOISE231072','DNI072'),

('DOISE231073','DNI073'),

('DOISE231074','DNI074'),

('DOISE231075','DNI075'),

('DOISE231076','DNI076'),

('DOISE231077','DNI077'),

('DOISE231078','DNI078'),

('DOISE231079','DNI079'),

('DOISE231080','DNI080'),

('DOISE231081','DNI081'),

('DOISE231082','DNI082'),

('DOISE231083','DNI083'),

('DOISE231084','DNI084'),

('DOISE231085','DNI085'),

('DOISE231086','DNI086'),

('DOISE231087','DNI087'),

('DOISE231088','DNI088'),

('DOISE231089','DNI089'),

('DOISE231090','DNI090'),

('DOISE231091','DNI091'),

('DOISE231092','DNI092'),

('DOISE231093','DNI093'),

('DOISE231094','DNI094'),

('DOISE231095','DNI095'),

('DOISE231096','DNI096'),

('DOISE231097','DNI097'),

('DOISE231098','DNI098'),

('DOISE231099','DNI099'),

('DOISE231100','DNI100'),

('DOISE231101','DNI101'),

('DOISE231102','DNI102'),

('DOISE231103','DNI103'),

('DOISE231104','DNI104'),

('DOISE231105','DNI105'),

('DOISE231106','DNI106'),

('DOISE231107','DNI107'),

('DOISE231108','DNI108'),

('DOISE231109','DNI109'),

('DOISE231110','DNI110')

create table Medication(

medication\_code varchar(30),

medication\_name varchar(30),

medication\_description varchar(30),

constraint pri\_Medication primary key(medication\_code)

);

insert into Medication

values

('DMI554001','Firstaid','Normal'),

('DMI554002','Firstaid','Normal'),

('DMI554003','Firstaid','BPlow'),

('DMI554004','Firstaid','Normal'),

('DMI554005','Firstaid','Normal'),

('DMI554006','Antibiotic','Pain'),

('DMI554007','Antibiotic','Pain'),

('DMI554008','Antibiotic','Pain'),

('DMI554009','Firstaid','Normal'),

('DMI554010','Firstaid','Normal'),

('DMI554011','Firstaid','Normal'),

('DMI554012','Firstaid','Normal'),

('DMI554013','Firstaid','Normal'),

('DMI554014','Firstaid','BPlow'),

('DMI554015','Firstaid','BPlow'),

('DMI554016','Firstaid','BPlow'),

('DMI554017','Firstaid','BPlow'),

('DMI554018','Firstaid','BPlow'),

('DMI554019','Firstaid','Normal'),

('DMI554020','Firstaid','Normal'),

('DMI554021','Firstaid','Normal'),

('DMI554022','Antibiotic','Pain'),

('DMI554023','Antibiotic','Pain'),

('DMI554024','Firstaid','Normal'),

('DMI554025','Firstaid','Normal'),

('DMI554026','Firstaid','Normal'),

('DMI554027','Firstaid','Normal'),

('DMI554028','Firstaid','Normal'),

('DMI554029','Antibiotic','Pain'),

('DMI554030','Firstaid','Normal'),

('DMI554031','Firstaid','Normal'),

('DMI554032','Firstaid','Normal'),

('DMI554033','Firstaid','Normal'),

('DMI554034','Firstaid','Normal'),

('DMI554035','Antibiotic','Pain'),

('DMI554036','Antibiotic','Pain'),

('DMI554037','Antibiotic','Pain'),

('DMI554038','Firstaid','Normal'),

('DMI554039','Firstaid','Normal'),

('DMI554040','Firstaid','Normal'),

('DMI554041','Firstaid','Normal'),

('DMI554042','Firstaid','Normal'),

('DMI554043','Firstaid','Normal'),

('DMI554044','Firstaid','Normal'),

('DMI554045','Firstaid','Normal'),

('DMI554046','Firstaid','Normal'),

('DMI554047','Firstaid','Normal'),

('DMI554048','Firstaid','Normal'),

('DMI554049','Firstaid','BPlow'),

('DMI554050','Firstaid','Normal'),

('DMI554051','Firstaid','Normal'),

('DMI554052','Firstaid','Normal'),

('DMI554053','Firstaid','Normal'),

('DMI554054','Firstaid','Normal'),

('DMI554055','Firstaid','Normal'),

('DMI554056','Firstaid','Normal'),

('DMI554057','Firstaid','Normal'),

('DMI554058','Firstaid','BPlow'),

('DMI554059','Firstaid','Normal'),

('DMI554060','Firstaid','Normal'),

('DMI554061','Firstaid','Normal'),

('DMI554062','Firstaid','Normal'),

('DMI554063','Firstaid','Normal'),

('DMI554064','Firstaid','Normal'),

('DMI554065','Firstaid','Normal'),

('DMI554066','Firstaid','Normal'),

('DMI554067','Firstaid','BPlow'),

('DMI554068','Firstaid','Normal'),

('DMI554069','Firstaid','Normal'),

('DMI554070','Firstaid','Normal'),

('DMI554071','Firstaid','Normal'),

('DMI554072','Firstaid','Normal'),

('DMI554073','Firstaid','BPlow'),

('DMI554074','Firstaid','Normal'),

('DMI554075','Firstaid','Normal'),

('DMI554076','Firstaid','Normal'),

('DMI554077','Firstaid','Normal'),

('DMI554078','Firstaid','Normal'),

('DMI554079','Firstaid','Normal'),

('DMI554080','Firstaid','Normal'),

('DMI554081','Firstaid','Normal'),

('DMI554082','Firstaid','Normal'),

('DMI554083','Firstaid','BPlow'),

('DMI554084','Firstaid','Normal'),

('DMI554085','Firstaid','Normal'),

('DMI554086','Firstaid','Normal'),

('DMI554087','Firstaid','Normal'),

('DMI554088','Firstaid','Normal'),

('DMI554089','Firstaid','Normal'),

('DMI554090','Firstaid','Normal'),

('DMI554091','Firstaid','Normal'),

('DMI554092','Firstaid','Normal'),

('DMI554093','Firstaid','Normal'),

('DMI554094','Firstaid','Normal'),

('DMI554095','Firstaid','Normal'),

('DMI554096','Firstaid','Normal'),

('DMI554097','Firstaid','Normal'),

('DMI554098','Firstaid','Normal'),

('DMI554099','Firstaid','Normal'),

('DMI554100','Firstaid','Normal'),

('DMI554101','Firstaid','BPlow'),

('DMI554102','Firstaid','Normal'),

('DMI554103','Firstaid','Normal'),

('DMI554104','Firstaid','Normal'),

('DMI554105','Firstaid','Normal'),

('DMI554106','Firstaid','Normal'),

('DMI554107','Firstaid','Normal'),

('DMI554108','Firstaid','Normal'),

('DMI554109','Firstaid','Normal'),

('DMI554110','Firstaid','Normal')

create table Donor\_Medication(

donor\_id varchar(30),

medication\_code varchar(30),

constraint pri\_Donor\_Medication primary key(donor\_id,medication\_code),

constraint frn\_Donor\_Medication\_donor\_id foreign key(donor\_id)references Donors(donor\_id),

constraint frn\_Donor\_Medication\_medication\_code foreign key(medication\_code)references Medication(medication\_code)

);

insert into Donor\_Medication

values

('DNI001','DMI554001'),

('DNI002','DMI554002'),

('DNI003','DMI554003'),

('DNI004','DMI554004'),

('DNI005','DMI554005'),

('DNI006','DMI554006'),

('DNI007','DMI554007'),

('DNI008','DMI554008'),

('DNI009','DMI554009'),

('DNI010','DMI554010'),

('DNI011','DMI554011'),

('DNI012','DMI554012'),

('DNI013','DMI554013'),

('DNI014','DMI554014'),

('DNI015','DMI554015'),

('DNI016','DMI554016'),

('DNI017','DMI554017'),

('DNI018','DMI554018'),

('DNI019','DMI554019'),

('DNI020','DMI554020'),

('DNI021','DMI554021'),

('DNI022','DMI554022'),

('DNI023','DMI554023'),

('DNI024','DMI554024'),

('DNI025','DMI554025'),

('DNI026','DMI554026'),

('DNI027','DMI554027'),

('DNI028','DMI554028'),

('DNI029','DMI554029'),

('DNI030','DMI554030'),

('DNI031','DMI554031'),

('DNI032','DMI554032'),

('DNI033','DMI554033'),

('DNI034','DMI554034'),

('DNI035','DMI554035'),

('DNI036','DMI554036'),

('DNI037','DMI554037'),

('DNI038','DMI554038'),

('DNI039','DMI554039'),

('DNI040','DMI554040'),

('DNI041','DMI554041'),

('DNI042','DMI554042'),

('DNI043','DMI554043'),

('DNI044','DMI554044'),

('DNI045','DMI554045'),

('DNI046','DMI554046'),

('DNI047','DMI554047'),

('DNI048','DMI554048'),

('DNI049','DMI554049'),

('DNI050','DMI554050'),

('DNI051','DMI554051'),

('DNI052','DMI554052'),

('DNI053','DMI554053'),

('DNI054','DMI554054'),

('DNI055','DMI554055'),

('DNI056','DMI554056'),

('DNI057','DMI554057'),

('DNI058','DMI554058'),

('DNI059','DMI554059'),

('DNI060','DMI554060'),

('DNI061','DMI554061'),

('DNI062','DMI554062'),

('DNI063','DMI554063'),

('DNI064','DMI554064'),

('DNI065','DMI554065'),

('DNI066','DMI554066'),

('DNI067','DMI554067'),

('DNI068','DMI554068'),

('DNI069','DMI554069'),

('DNI070','DMI554070'),

('DNI071','DMI554071'),

('DNI072','DMI554072'),

('DNI073','DMI554073'),

('DNI074','DMI554074'),

('DNI075','DMI554075'),

('DNI076','DMI554076'),

('DNI077','DMI554077'),

('DNI078','DMI554078'),

('DNI079','DMI554079'),

('DNI080','DMI554080'),

('DNI081','DMI554081'),

('DNI082','DMI554082'),

('DNI083','DMI554083'),

('DNI084','DMI554084'),

('DNI085','DMI554085'),

('DNI086','DMI554086'),

('DNI087','DMI554087'),

('DNI088','DMI554088'),

('DNI089','DMI554089'),

('DNI090','DMI554090'),

('DNI091','DMI554091'),

('DNI092','DMI554092'),

('DNI093','DMI554093'),

('DNI094','DMI554094'),

('DNI095','DMI554095'),

('DNI096','DMI554096'),

('DNI097','DMI554097'),

('DNI098','DMI554098'),

('DNI099','DMI554099'),

('DNI100','DMI554100'),

('DNI101','DMI554101'),

('DNI102','DMI554102'),

('DNI103','DMI554103'),

('DNI104','DMI554104'),

('DNI105','DMI554105'),

('DNI106','DMI554106'),

('DNI107','DMI554107'),

('DNI108','DMI554108'),

('DNI109','DMI554109'),

('DNI110','DMI554110')

create table Medical\_Condition(

condition\_code varchar(30),

condition\_name varchar(30),

condition\_type varchar(30),

constraint pri\_Medical\_Condition primary key(condition\_code)

);

insert into Medical\_Condition

values

('CONI22DF01','------------','Normal'),

('CONI22DF02','------------','Normal'),

('CONI22DF03','------------','Normal'),

('CONI22DF04','------------','Normal'),

('CONI22DF05','------------','Normal'),

('CONI22DF06','------------','Normal'),

('CONI22DF07','------------','Normal'),

('CONI22DF08','------------','Normal'),

('CONI22DF09','------------','Normal'),

('CONI22DF10','------------','Normal'),

('CONI22DF11','Hepatities\_B','Infected'),

('CONI22DF12','------------','Normal'),

('CONI22DF13','------------','Normal'),

('CONI22DF14','------------','Normal'),

('CONI22DF15','------------','Normal'),

('CONI22DF16','------------','Normal'),

('CONI22DF17','------------','Normal'),

('CONI22DF18','Drug\_Addict','Infected'),

('CONI22DF19','Diabetes',' Infected'),

('CONI22DF20','Drug\_Addict','Infected'),

('CONI22DF21','Hepatities\_B','Infected'),

('CONI22DF22','------------','Normal'),

('CONI22DF23','------------','Normal'),

('CONI22DF24','------------','Normal'),

('CONI22DF25','------------','Normal'),

('CONI22DF26','------------','Normal'),

('CONI22DF27','------------','Normal'),

('CONI22DF28','------------','Normal'),

('CONI22DF29','------------','Normal'),

('CONI22DF30','------------','Normal'),

('CONI22DF31','------------','Normal'),

('CONI22DF32','Hepatities\_B','Infected'),

('CONI22DF33','------------','Normal'),

('CONI22DF34','------------','Normal'),

('CONI22DF35','------------','Normal'),

('CONI22DF36','------------','Normal'),

('CONI22DF37','------------','Normal'),

('CONI22DF38','Diabetes',' Infected'),

('CONI22DF39','Drug\_Addict','Infected'),

('CONI22DF40','------------','Normal'),

('CONI22DF41','------------','Normal'),

('CONI22DF42','------------','Normal'),

('CONI22DF43','------------','Normal'),

('CONI22DF44','------------','Normal'),

('CONI22DF45','------------','Normal'),

('CONI22DF46','------------','Normal'),

('CONI22DF47','------------','Normal'),

('CONI22DF48','------------','Normal'),

('CONI22DF49','Drug\_Addict','Infected'),

('CONI22DF50','------------','Normal'),

('CONI22DF51','------------','Normal'),

('CONI22DF52','------------','Normal'),

('CONI22DF53','------------','Normal'),

('CONI22DF54','------------','Normal'),

('CONI22DF55','------------','Normal'),

('CONI22DF56','------------','Normal'),

('CONI22DF57','------------','Normal'),

('CONI22DF58','------------','Normal'),

('CONI22DF59','------------','Normal'),

('CONI22DF60','------------','Normal'),

('CONI22DF61','------------','Normal'),

('CONI22DF62','------------','Normal'),

('CONI22DF63','------------','Normal'),

('CONI22DF64','------------','Normal'),

('CONI22DF65','------------','Normal'),

('CONI22DF66','------------','Normal'),

('CONI22DF67','------------','Normal'),

('CONI22DF68','------------','Normal'),

('CONI22DF69','------------','Normal'),

('CONI22DF70','------------','Normal'),

('CONI22DF71','Hepatities\_B','Infected'),

('CONI22DF72','------------','Normal'),

('CONI22DF73','------------','Normal'),

('CONI22DF74','------------','Normal'),

('CONI22DF75','------------','Normal'),

('CONI22DF76','Diabetes',' Infected'),

('CONI22DF77','------------','Normal'),

('CONI22DF78','------------','Normal'),

('CONI22DF79','------------','Normal'),

('CONI22DF80','Drug\_Addict','Infected'),

('CONI22DF81','------------','Normal'),

('CONI22DF82','------------','Normal'),

('CONI22DF83','------------','Normal'),

('CONI22DF84','------------','Normal'),

('CONI22DF85','Diabetes',' Infected'),

('CONI22DF86','Diabetes',' Infected'),

('CONI22DF87','------------','Normal'),

('CONI22DF88','------------','Normal'),

('CONI22DF89','------------','Normal'),

('CONI22DF90','------------','Normal'),

('CONI22DF91','------------','Normal'),

('CONI22DF92','------------','Normal'),

('CONI22DF93','Drug\_Addict','Infected'),

('CONI22DF94','------------','Normal'),

('CONI22DF95','------------','Normal'),

('CONI22DF96','------------','Normal'),

('CONI22DF97','------------','Normal'),

('CONI22DF98','------------','Normal'),

('CONI22DF99','Drug\_Addict','Infected'),

('CONI22DF100','------------','Normal'),

('CONI22DF101','------------','Normal'),

('CONI22DF102','------------','Normal'),

('CONI22DF103','------------','Normal'),

('CONI22DF104','------------','Normal'),

('CONI22DF105','------------','Normal'),

('CONI22DF106','------------','Normal'),

('CONI22DF107','------------','Normal'),

('CONI22DF108','Diabetes',' Infected'),

('CONI22DF109','Hepatities\_B','Infected'),

('CONI22DF110','------------','Normal'),

('CONI22DF111','------------','Normal'),

('CONI22DF112','------------','Normal'),

('CONI22DF113','------------','Normal'),

('CONI22DF114','------------','Normal'),

('CONI22DF115','------------','Normal'),

('CONI22DF116','------------','Normal'),

('CONI22DF117','------------','Normal'),

('CONI22DF118','------------','Normal'),

('CONI22DF119','Drug\_Addict','Infected'),

('CONI22DF120','------------','Normal'),

('CONI22DF121','Hepatities\_B','Infected'),

('CONI22DF122','------------','Normal'),

('CONI22DF123','------------','Normal'),

('CONI22DF124','------------','Normal'),

('CONI22DF125','------------','Normal'),

('CONI22DF126','------------','Normal'),

('CONI22DF127','------------','Normal'),

('CONI22DF128','------------','Normal'),

('CONI22DF129','------------','Normal'),

('CONI22DF130','------------','Normal')

create table Donor\_Medical\_Condition(

donor\_id varchar(30),

condition\_code varchar(30),

constraint pri\_Donor\_Medical\_Conditon primary key(donor\_id,condition\_code),

constraint frn\_Donor\_Medical\_Condition\_donor\_id foreign key(donor\_id)references Donors(donor\_id),

constraint frn\_Donor\_Medical\_Condition\_condition\_code foreign key(condition\_code)references Medical\_Condition(condition\_code)

);

insert into Donor\_Medical\_Condition

values

('DNI001','CONI22DF01'),

('DNI002','CONI22DF02'),

('DNI003','CONI22DF03'),

('DNI004','CONI22DF04'),

('DNI005','CONI22DF05'),

('DNI006','CONI22DF06'),

('DNI007','CONI22DF07'),

('DNI008','CONI22DF08'),

('DNI009','CONI22DF09'),

('DNI010','CONI22DF10'),

('DNI011','CONI22DF11'),

('DNI012','CONI22DF12'),

('DNI013','CONI22DF13'),

('DNI014','CONI22DF14'),

('DNI015','CONI22DF15'),

('DNI016','CONI22DF16'),

('DNI017','CONI22DF17'),

('DNI018','CONI22DF18'),

('DNI019','CONI22DF19'),

('DNI020','CONI22DF20'),

('DNI021','CONI22DF21'),

('DNI022','CONI22DF22'),

('DNI023','CONI22DF23'),

('DNI024','CONI22DF24'),

('DNI025','CONI22DF25'),

('DNI026','CONI22DF26'),

('DNI027','CONI22DF27'),

('DNI028','CONI22DF28'),

('DNI029','CONI22DF29'),

('DNI030','CONI22DF30'),

('DNI031','CONI22DF31'),

('DNI032','CONI22DF32'),

('DNI033','CONI22DF33'),

('DNI034','CONI22DF34'),

('DNI035','CONI22DF35'),

('DNI036','CONI22DF36'),

('DNI037','CONI22DF37'),

('DNI038','CONI22DF38'),

('DNI039','CONI22DF39'),

('DNI040','CONI22DF40'),

('DNI041','CONI22DF41'),

('DNI042','CONI22DF42'),

('DNI043','CONI22DF43'),

('DNI044','CONI22DF44'),

('DNI045','CONI22DF45'),

('DNI046','CONI22DF46'),

('DNI047','CONI22DF47'),

('DNI048','CONI22DF48'),

('DNI049','CONI22DF49'),

('DNI050','CONI22DF50'),

('DNI051','CONI22DF51'),

('DNI052','CONI22DF52'),

('DNI053','CONI22DF53'),

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('DNI058','CONI22DF58'),

('DNI059','CONI22DF59'),

('DNI060','CONI22DF60'),

('DNI061','CONI22DF61'),

('DNI062','CONI22DF62'),

('DNI063','CONI22DF63'),

('DNI064','CONI22DF64'),

('DNI065','CONI22DF65'),

('DNI066','CONI22DF66'),

('DNI067','CONI22DF67'),

('DNI068','CONI22DF68'),

('DNI069','CONI22DF69'),

('DNI070','CONI22DF70'),

('DNI071','CONI22DF71'),

('DNI072','CONI22DF72'),

('DNI073','CONI22DF73'),

('DNI074','CONI22DF74'),

('DNI075','CONI22DF75'),

('DNI076','CONI22DF76'),

('DNI077','CONI22DF77'),

('DNI078','CONI22DF78'),

('DNI079','CONI22DF79'),

('DNI080','CONI22DF80'),

('DNI081','CONI22DF81'),

('DNI082','CONI22DF82'),

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('DNI084','CONI22DF84'),

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('DNI090','CONI22DF90'),

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('DNI092','CONI22DF92'),

('DNI093','CONI22DF93'),

('DNI094','CONI22DF94'),

('DNI095','CONI22DF95'),

('DNI096','CONI22DF96'),

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('DNI098','CONI22DF98'),

('DNI099','CONI22DF99'),

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('DNI103','CONI22DF103'),

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('DNI105','CONI22DF105'),

('DNI106','CONI22DF106'),

('DNI107','CONI22DF107'),

('DNI108','CONI22DF108'),

('DNI109','CONI22DF109'),

('DNI110','CONI22DF110')

create table Staff(

staff\_id varchar (30),

address\_id varchar(30),

blood\_bank\_id varchar(30),

staff\_name varchar (30),

gender varchar (30),

phone\_no varchar(30),

constraint pri\_Staff primary key(staff\_id),

constraint frn\_Staff foreign key(blood\_bank\_id)references Blood\_Bank(blood\_bank\_id),

constraint frn2\_Staff foreign key(address\_id)references Address(address\_id)

);

insert into Staff

values

('STI001','BD1820402389','BBI86S','Ahnaf','Male','+880-195-554-2115'),

('STI002','BD2084380797','BBI86S','sabbir','Male','+880-195-558-0264'),

('STI003','BD3685178354','BBI86S','rafi','Male','+880-155-555-1929'),

('STI004','BD4195222581','BBI86S','Anik','Male','+880-115-550-7353'),

('STI005','BD5995264204','BBI86S','Fardin','Male','+880-115-556-2938'),

('STI006','BD6396987643','BBI86S','Abir','Male','+880-115-554-1613'),

('STI007','BD7381650785','BBI86S','munazza','Female','+880-175-558-1688'),

('STI008','BD8338171718','BBI86S','Moon','Female','+880-195-554-9890'),

('STI009','BD9345287522','BBI86S','fahmida','Female','+880-165-553-4719'),

('STI010','BD10748236369','BBI86S','Rafsan','Female','+880-195-559-3784'),

('STI011','BD11952726378','BBI86S','mahir','Male','+880-115-555-5647'),

('STI012','BD1290010488','BBI86S','fahim','Male','+880-115-557-3766'),

('STI013','BD1346191671','BBI86S','Atif','Male','+880-115-559-1728'),

('STI014','BD14415988209','BBI86S','Shourav','Male','+880-115-555-9122'),

('STI015','BD1570243766','BBI86S','Ashik','Male','+880-165-556-1023'),

('STI016','BD16695398361','BBI86S','Barsha','Female','+880-115-557-7553'),

('STI017','BD1731698057','BBI86S','Rifah','Female','+880-195-559-7654'),

('STI018','BD18820844372','BBI86S','Bushra','Female','+880-155-552-7986'),

('STI019','BD19635301502','BBI86S','Musarrat','Female','+880-155-558-5784'),

('STI020','BD20592572415','BBI86S','Shabrina','Female','+880-115-558-9820 '),

('STI021','BD21695638946','BBI86S','Luzain','Female','+880-115-559-6009 '),

('STI022','BD22523227877','BBI86S','Oporajita','Female','+880-195-559-7654 '),

('STI023','BD23525192913','BBI86S','Saliha','Female','+880-155-558-1054 '),

('STI024','BD24894502046','BBI86S','eva','Female','+880-115-555-9122'),

('STI025','BD25444857365','BBI86S','Bibha','Female','+880-115-552-4291'),

('STI026','BD26565013916','BBI86S','Prottasha','Female','+880-195-556-1455'),

('STI027','BD27869618408','BBI86S','Hridi','Female','+880-195-550-9017'),

('STI028','BD28876823297','BBI86S','Naomi','Female','+880-115-557-9547 '),

('STI029','BD29365171402','BBI86S','Rafia','Female','+880-115-555-0779'),

('STI030','BD30384592528','BBI86S','Muntaha','Female','+880-115-553-5115'),

('STI031','BD31330626138','BBI86S','Anuva','Female','+880-165-555-0405'),

('STI032','BD32642030125','BBI86S','Sayeda','Female','+880-115-551-0902 '),

('STI033','BD33362494223','BBI86S','Jennifer','Female','+880-195-557-9838'),

('STI034','BD34537826502','BBI86S','Ishika','Female','+880-195-555-2296 '),

('STI035','BD35729571898','BBI86S','Safina','Female','+880-195-554-2561 '),

('STI036','BD36051659225','BBI86S','Farah','Female','+880-155-558-2729 '),

('STI037','BD37764176549','BBI86S','Moriom','Female','+880-175-552-4387'),

('STI038','BD38851967706','BBI86S','Hriddhi','Female','+880-195-559-5235 '),

('STI039','BD39646286008','BBI86S','Sadiya','Female','+880-165-556-1605 '),

('STI040','BD40224914104','BBI86S','Sumaiya','Female','+880-155-558-113')

create table Staff\_Categories(

staff\_id varchar (30),

categories varchar (30),

salary numeric (30),

constraint pri\_Staff\_Categories primary key (staff\_id),

constraint frn\_Staff\_Categories foreign key(staff\_id)references Staff(staff\_id)

);

drop table Staff\_Categories

insert into Staff\_Categories

values

('STI001','Doctor','60000'),

('STI002','Doctor','60000'),

('STI003','Doctor','60000'),

('STI004','Doctor','60000'),

('STI005','Doctor','60000'),

('STI006','Doctor','50000'),

('STI007','Doctor','50000'),

('STI008','Doctor','50000'),

('STI009','Others','10000'),

('STI010','Others','10000'),

('STI011','Others','10000'),

('STI012','Others','10000'),

('STI013','Others','10000'),

('STI014','Others','10000'),

('STI015','Others','10000'),

('STI016','Nurse','27000'),

('STI017','Nurse','27000'),

('STI018','Nurse','27000'),

('STI019','Nurse','27000'),

('STI020','Nurse','27000'),

('STI021','Nurse','27000'),

('STI022','Nurse','27000'),

('STI023','Nurse','22000'),

('STI024','Nurse','22000'),

('STI025','Nurse','22000'),

('STI026','Nurse','22000'),

('STI027','Nurse','22000'),

('STI028','Nurse','22000'),

('STI029','Nurse','22000'),

('STI030','Nurse','22000'),

('STI031','Nurse','22000'),

('STI032','Nurse','20000'),

('STI033','Nurse','20000'),

('STI034','Nurse','20000'),

('STI035','Nurse','20000'),

('STI036','Nurse','20000'),

('STI037','Nurse','20000'),

('STI038','Receptionist','17000'),

('STI039','Receptionist','17000'),

('STI040','Receptionist','17000')

create table Donation\_Date(

donation\_id varchar(32),

date varchar(32),

constraint frn\_Donation\_Date foreign key (donation\_id) references Blood(donation\_id)

)

insert into Donation\_Date

values

('DOISE231001','2/2/2005'),

('DOISE231002','2/6/2005'),

('DOISE231003','2/10/2005'),

('DOISE231004','2/2/2006'),

('DOISE231005','2/6/2006'),

('DOISE231006','2/10/2006'),

('DOISE231007','2/2/2007'),

('DOISE231008','2/6/2007'),

('DOISE231009','2/10/2007'),

('DOISE231010','2/2/2008'),

('DOISE231011','2/6/2008'),

('DOISE231012','2/10/2008'),

('DOISE231013','2/2/2009'),

('DOISE231014','2/6/2009'),

('DOISE231015','2/10/2009'),

('DOISE231016','2/2/2010'),

('DOISE231017','2/6/2010'),

('DOISE231018','2/10/2010'),

('DOISE231019','2/2/2011'),

('DOISE231020','2/6/2011'),

('DOISE231021','2/10/2011'),

('DOISE231022','2/2/2012'),

('DOISE231023','2/6/2012'),

('DOISE231024','2/10/2012'),

('DOISE231025','2/2/2013'),

('DOISE231026','2/6/2013'),

('DOISE231027','2/10/2013'),

('DOISE231028','2/2/2014'),

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('DOISE231034','2/2/2016'),

('DOISE231035','2/6/2016'),

('DOISE231036','2/10/2016'),

('DOISE231037','2/2/2017'),

('DOISE231038','2/6/2017'),

('DOISE231039','2/10/2017'),

('DOISE231040','2/2/2018'),

('DOISE231041','2/6/2018'),

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('DOISE231044','2/6/2019'),

('DOISE231045','2/10/2019'),

('DOISE231046','2/2/2020'),

('DOISE231047','2/1/2004'),

('DOISE231048','2/5/2004'),

('DOISE231049','2/9/2004'),

('DOISE231050','2/1/2005'),

('DOISE231051','2/5/2005'),

('DOISE231052','2/9/2005'),

('DOISE231053','2/1/2006'),

('DOISE231054','2/5/2006'),

('DOISE231055','2/9/2006'),

('DOISE231056','2/1/2007'),

('DOISE231057','2/5/2007'),

('DOISE231058','2/9/2007'),

('DOISE231059','2/1/2008'),

('DOISE231060','2/5/2008'),

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('DOISE231063','2/5/2009'),

('DOISE231064','2/9/2009'),

('DOISE231065','2/1/2010'),

('DOISE231066','2/5/2010'),

('DOISE231067','2/9/2010'),

('DOISE231068','2/1/2011'),

('DOISE231069','2/5/2011'),

('DOISE231070','2/9/2011'),

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('DOISE231072','2/5/2012'),

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('DOISE231092','2/1/2019'),

('DOISE231093','2/5/2019'),

('DOISE231094','2/9/2019'),

('DOISE231095','2/1/2020'),

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('DOISE231097','2/8/2003'),

('DOISE231098','2/12/2003'),

('DOISE231099','2/4/2004'),

('DOISE231100','2/8/2004'),

('DOISE231101','2/12/2004'),

('DOISE231102','2/4/2005'),

('DOISE231103','2/8/2005'),

('DOISE231104','2/12/2005'),

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('DOISE231109','2/8/2007'),

('DOISE231110','2/12/2007'),

('DOISE231002','2/4/2008'),

('DOISE231006','2/8/2008'),

('DOISE231010','2/12/2008'),

('DOISE231014','2/4/2009'),

('DOISE231018','2/8/2009'),

('DOISE231022','2/12/2009'),

('DOISE231026','2/4/2010'),

('DOISE231030','2/8/2010'),

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('DOISE231090','2/8/2015'),

('DOISE231094','2/12/2015'),

('DOISE231098','2/4/2016'),

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('DOISE231110','2/4/2017'),

('DOISE231005','2/8/2017'),

('DOISE231008','2/12/2017'),

('DOISE231013','2/4/2018'),

('DOISE231016','2/8/2018'),

('DOISE231021','2/12/2018'),

('DOISE231024','2/4/2019'),

('DOISE231029','2/8/2019'),

('DOISE231032','2/12/2019'),

('DOISE231037','3/4/2006'),

('DOISE231040','7/4/2006'),

('DOISE231045','11/4/2006'),

('DOISE231048','3/4/2007'),

('DOISE231053','7/4/2007'),

('DOISE231056','11/4/2007'),

('DOISE231061','3/4/2008'),

('DOISE231064','7/4/2008'),

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('DOISE231072','3/4/2009'),

('DOISE231077','7/4/2009'),

('DOISE231080','11/4/2009'),

('DOISE231085','3/4/2010'),

('DOISE231088','7/4/2010'),

('DOISE231093','11/4/2010'),

('DOISE231096','3/4/2011'),

('DOISE231101','7/4/2011'),

('DOISE231104','11/4/2011'),

('DOISE231109','3/4/2012'),

('DOISE231005','7/4/2012'),

('DOISE231008','11/4/2012'),

('DOISE231013','3/4/2013'),

('DOISE231016','7/4/2013'),

('DOISE231021','11/4/2013'),

('DOISE231024','3/4/2014'),

('DOISE231029','7/4/2014'),

('DOISE231032','11/4/2014'),

('DOISE231037','3/4/2015'),

('DOISE231040','7/4/2015'),

('DOISE231045','11/4/2015'),

('DOISE231048','3/4/2016'),

('DOISE231053','7/4/2016'),

('DOISE231056','11/4/2016'),

('DOISE231061','3/4/2017'),

('DOISE231064','7/4/2017'),

('DOISE231069','11/4/2017'),

('DOISE231072','3/4/2018'),

('DOISE231077','7/4/2018'),

('DOISE231080','11/4/2018'),

('DOISE231085','3/4/2019'),

('DOISE231088','7/4/2019'),

('DOISE231093','11/4/2019'),

('DOISE231096','5/5/2016'),

('DOISE231101','9/5/2016'),

('DOISE231104','1/5/2017'),

('DOISE231109','5/5/2017')

drop table Address

drop table Blood\_Bank

drop table Donors

drop table Blood

drop table Stored\_Blood

drop table Donations

drop table Medication

drop table Donor\_Medication

drop table Medical\_Condition

drop table Donor\_Medical\_Condition

drop table Staff

drop table Staff\_Categories

drop table Donation\_Date

Select \*from Address

Select \*from Blood\_Bank

Select\*from Donors

Select\*from Blood

Select\*from Stored\_Blood

Select \*from Donations

Select \*from Medication

Select \*from Donor\_Medication

Select \*from Medical\_Condition

Select \*from Donor\_Medical\_Condition

Select\* from Staff

Select\* from Staff\_Categories

Select\* from Donation\_Date

**Queries**

**Questions:**

**1.Find the Donor names of all Donor, and remove duplicates**

**2.Find the Staff id, categories,daily salary of all staff**

**3.Find all staff id in Doctor categories**

**4.Find all donation id in A+ blood group**

**5.Find the staff id of all staff with salary between 21,000 and 70,000**

**6.Find donation id that in blood group A+ or A-**

**7.Find donation id that in blood group A+ but not in A-**

**8.Find the salaries of all staff that are less than the largest salary.**

**9.Find the total number of blood group which is A+**

**10.Find the names and average salaries of all staff**

**whose average salary is greater than 22000**

**Answers:**

**use Blood\_Bank**

**select distinct name  
from Donors**

**select staff\_id,categories, salary/30 as daily from Staff\_Categories**

**select staff\_id from Staff\_Categories where categories='Doctor'**

**select donation\_id from Blood where blood\_group='A+'**

**select staff\_id  
from Staff\_Categories  
where salary between 21000 and 70000**

**(select donation\_id from Blood where blood\_group='A+')  
 union  
(select donation\_id from Blood where blood\_group='A-')**

**(select donation\_id from Blood where blood\_group='A-')  
 except  
(select donation\_id from Blood where blood\_group='AB+')**

**select distinct T.salary  
from Staff\_Categories as T, Staff\_Categories as S  
where T.salary < S.salary**

**select count (blood\_group)  
from Blood where blood\_group= 'A+'**

**select categories , avg(salary)**

**from Staff\_Categories**

**group by categories**

**having avg (salary)> 22000;**