create table Admission (P\_id int(5), P\_name varchar(20), Age int(2), Address varchar(20), Phone\_no bigint(10) );

create table Doctor (D\_id int(5), D\_name varchar(20), Specialization varchar(20), D\_type varchar(20) );

desc Admission;

desc Doctor;

desc Persons;

select \*from Admission;

select \*from Persons;

insert into Admission values (12345, 'Abcd', 25, 'lmdshj', 9854763212);

insert into Admission values (52463, 'Asdf', 28, 'lmdsfg', 9854745665);

insert into Admission values (52896, 'Qwer', 26, 'ldghhj', 9845523212);

insert into Admission values (52146, 'Aghj', 23, 'shjdhj', 9854217587);

insert into Admission values (85964, 'Fghb', 29, 'lmyuiy', 8759663212);

insert into Admission (P\_id, P\_name) values (58796, 'hgjbj');

alter table Admission add DOB date;

alter table Admission change column DOB to DOR date;

alter table Admission modify Address varchar(25);

alter table Admission add temp int(5);

alter table Admission drop temp;

create table Persons(

ID int(4) not null,

LastName varchar(255) not null,

FirstName varchar(255),

Email varchar(45) unique,

Age int check (Age>=18),

City varchar(255) default 'Bangalore'

);

insert into Persons values (1234, 'Hijk', 'abcd', 'lpq@gmail.com', 25, 'Bangalore');

insert into Persons (ID, LastName, Email, Age) values (4567, 'dew', 'dew@gmail.com', 12);

set sql\_safe\_updates = 0;

update Admission

set Phone\_no = 8523694146

where P\_name = 'Asdf';

delete from Admission where P\_id = 12345;

create table Gender (Gender\_id int primary key, Gender\_name varchar(8));

create table Personals(

ID int primary key,

LastName varchar(255) not null,

FirstName varchar(255),

Email varchar(45) unique,

Age int check (Age>=18),

Gender int references Gender (Gender\_id),

City varchar(255) default 'Bangalore'

);

insert into Gender values (1,'Male');

insert into Gender values (2,'Female');

select \*from Gender;

insert into Personals values (1234,'xyz', 'pbc', 'pbc@gmail.com', 24, 1, 'Hyderabad');

insert into Personals values (1456,'xfz', 'agc', 'agc@gmail.com', 22, 2, 'Mumbai');

insert into Personals values (1789,'ayz', 'qbc', 'qbc@gmail.com', 23, 1, 'Bangalore');

insert into Personals values (1987,'byz', 'lbc', 'lbc@gmail.com', 29, 2, 'Hyderabad');

insert into Personals values (4234,'kyz', 'jbc', 'jbc@gmail.com', 24, 1, 'Delhi');

insert into Personals values (1282,'syz', 'tbc', 'tbc@gmail.com', 26, 2, 'Bangalore');

insert into Personals values (5212,'xyp', 'mbc', 'mbc@gmail.com', 24, 1, 'Delhi');

select FirstName, City from Personals where city = 'Bangalore';

select FirstName, City from Personals where city like '%i';

select FirstName, City from Personals where city like 'M%i';

select FirstName, City from Personals where city like 'D%i';

select FirstName, City from Personals where Age between 20 and 25;

select \*from Personals;

select distinct(city) from Personals;

select FirstName, LastName from Personals, Gender where Personals.Gender = Gender.Gender\_id and

Gender.Gender\_name = 'Male';

select FirstName, LastName, City from Personals, Gender where Personals.Gender = Gender.Gender\_id and

Gender.Gender\_name = 'Male';

select FirstName, LastName from Personals where city in('Mumbai','Delhi');

select FirstName, LastName from Personals where city not in('Mumbai','Delhi');

create table Students(Roll\_no int(4),

firstname varchar(20),lastname varchar(20),age int(2));

insert into students values(3420,'Rohil','Sharma',14);

insert into students values(3380,'Sachin','Tendulkar',15);

insert into students values(3410,'Virat','Kohli',16);

insert into students values(3398,'Rahul','Dravid',14);

insert into students values(3386,'Mitch','Johnson',15);

insert into students values(3403,'MS','Dhoni',13);

insert into students values(3400,'Rickey','Ponting',16);

create table Fee (Roll\_no int(4),

course varchar(20), amount\_paid int(5));

select \*from Students;

select \*from fee;

insert into fee values(3380,'Electrical',20000);

insert into fee values(3420,'ICT',15000);

insert into fee values(3398,'Commerce',13000);

insert into fee values(3341,'HR',12000);

delete from Fee where course = 'Commerce';

select FirstName, LastName from Students where age>13;

select FirstName from Students where FirstName like 'R%';

select FirstName, LastName from Students, Fee where age>=13 and Students.Roll\_no=Fee.Roll\_no and Fee.course='Electrical';

select FirstName, LastName from Students, Fee where Students.Roll\_no=Fee.Roll\_no and Fee.amount\_paid>=15000;

select FirstName, LastName from Students, Fee where Students.Roll\_no=Fee.Roll\_no and (Fee.course='ICT' or Fee.course='Commerce');

select FirstName, LastName from Students where Roll\_no not in (select Roll\_no from Fee);

select Roll\_no from Fee where course ='HR' and Roll\_no not in (select Roll\_no from Students);

select max(age) from Students;

select min(age) from Students;

select avg(age) from Students;

select count(\*) from Students;

select count(distinct(City)) from Personals;

select FirstName, City, Sum(Age) from Personals group by City having City like '%i';

select \*from Personals order by City desc;