create table Customers(  
id int Primary key,  
FirstName varchar(40) not null,  
LastName varchar(40) not null,  
City varchar(40),  
Country varchar(40),  
Phone varchar(40)  
);  
insert into Customers values(101,'Bithi','Talukder','Kolkata','India',8790654321);  
insert into Customers values(102,'Sneha','Roy','Sydney','Australia',890765432);  
insert into Customers values(103,'Aditi','Sharma','Mumbai','India', 898766543);  
insert into Customers values(104,'Ahana','Mondal','Sydney','Australia',8234567891);  
insert into Customers values(105,'Aura','Dubey','Berlin','Germany',9213456780);

insert into Customers values(106,'Abira','Sikder','Berlin','Germany','030-0074321');

create table Orders(  
id int Primary key,  
OrderDate datetime not null,  
OrderNumer varchar(10),  
TotalAmount decimal(12,2),  
CustomerId int foreign key references Customers(id)  
);  
insert into Orders values(1,'12/09/2022','01',879.00,101);  
insert into Orders values(2,'1/10/2022','02',600.00,101);  
insert into Orders values(3,'10/10/2022','03',512.00,103);  
insert into Orders values(4,'02/11/2022','04',400.00,102);

create table Products(  
id int Primary key,  
ProductName varchar(50),  
UnitPrice decimal(12,2),  
Package varchar(30),  
IsDiscontinued bit  
);  
insert into Products values(1001,'AC',10000,'WaveLady',1);  
insert into Products values(1002,'Handwash',100,'Exortic Liquids',1);  
insert into Products values(1003,'Chocolate',15,'Amul',1);

create table OrdersItem(  
UnitPrice decimal(12,2),  
Quantity int,  
OrderId int foreign key references Orders(id),  
ProductId int foreign key references Products(id)

);

Insert into OrdersItem values(100,1000,1,1001);  
Insert into OrdersItem values(101,2000,2,1002);  
Insert into OrdersItem values(15,15,2,1003);

1)Select \*from Customers;

2)Select \*from Customers where Country like 'A%' or Country like  'I%';

3)Select \*from Customers where FirstName like '\_\_i%';

4)select concat(FirstName,' ',LastName) AS FullName from Customers;

5)Select \*from Customers where FirstName like '\_U%';

6)Select \*from OrdersItem where UnitPrice>10.00 and UnitPrice<20.00;

7)Select \*from Customers inner join Orders on Customers.id=Orders.CustomerId where Customers.Country!='London';

8)Select id from Customers where FirstName like '%RA%';

9)SELECT top 1 CustomerId,COUNT(\*) from Orders group by CustomerId order by COUNT(\*) desc;

10)Select ProductName,UnitPrice from Products where UnitPrice =(select max(UnitPrice) from Products);  
11)Select ProductName,UnitPrice from Products where UnitPrice =(select min(UnitPrice) from Products);

Alter table Products add UnitInStock int;  
Select \*from Products;  
Update Products set UnitInStock=10 where id=1001;  
Update Products set UnitInStock=20 where id=1002;  
Update Products set UnitInStock=30 where id=1003;

Alter table Products add UnitOnOrder int;  
Update Products set UnitOnOrder=5 where id=1001;  
Update Products set UnitOnOrder=30 where id=1002;  
Update Products set UnitOnOrder=20 where id=1003;

12)Select id from Products where UnitInStock<UnitOnOrder;  
13)select CustomerId,OrderNumer,OrderDate  from Orders;  
14)select \*from Products where IsDiscontinued=0;  
15)select avg(quantity) as AverageQuantity from OrdersItem inner join Products on OrdersItem.ProductId=Products.id;

insert into Products values(1004,'Chai',90,'Tej',1,40,50);  
insert into OrdersItem values(90,100,1,1004);

16)select \*from OrdersItem right join Products on OrdersItem.ProductId=Products.id where Products.ProductName='Chai';

Alter table Products add Category varchar(30);

Update Products set Category='Appliances' where id=1001;  
Update Products set Category='Household things' where id=1002;  
Update Products set Category='food' where id=1003;  
Update Products set Category='food' where id=1004;

insert into Products values(1005,'Oyesters',90,'Oyester',1,40,50,'Seafood');

Alter table OrdersItem add discount int;  
Alter table OrdersItem drop column discount;  
Alter table Products add discount int;

Update Products set discount=0.05 where id=1001;  
Update Products set discount=0.10 where id=1002;  
Update Products set discount=0.15 where id=1003;  
Update Products set discount=0.06 where id=1004;

17)Select \*from Products where Category='Seafood';  
18)Select OrdersItem.OrderId,((OrdersItem.UnitPrice\*OrdersItem.Quantity)-Products.discount) as PriceAfterDiscount,Products.ProductName,Products.Category from OrdersItem inner join Products on OrdersItem.ProductId=Products.id;

create table Employee(  
id int Primary key,  
FirstName varchar(40) not null,  
LastName varchar(40) not null,  
ManagerName varchar(40),

);

create table Department(  
id int Primary key,  
DeptName varchar(40),  
Ratings int,  
EmployeeId int foreign key references Employee(id)  
);

Alter table Employee add CompanyName varchar(40);  
Alter table Employee add JoiningDate date;  
Alter table Employee add Constraint DeptId foreign key (id) references Department(id);  
select \*from Employee;  
Alter table Employee drop constraint DeptId;

Insert into Employee values(100,'Bithi','Talukder','Sudha Rao','Capgemini','2022-12-08');  
Insert into Employee values(101,'Steven ',' King ','Neena Kochar','Accenture','2022-11-05');  
Insert into Employee values(103,'Lex','De Haan','Alexander ','Capgemini','2022-06-05');  
Insert into Employee values(104,'Bruce',' Ernst ','Alexander ','Accenture','2021-04-05');

Insert into Department values(10,'Cloud',4,100);  
Insert into Department values(11,'SAP',5,101);  
Insert into Department values(12,'Sales',4,102);  
Insert into Department values(13,'Android developer',5,103);  
Select \*from Department;

19)select concat(FirstName,' ',LastName) AS FullName from Employee;  
20)select DeptName,Ratings from Department;  
21)select \*from Employee;  
22)select CompanyName from Employee;