create database s1

create table customer (

Id int Not Null PRIMARY KEY,

FirstName nvarchar(40),

LastName nvarchar(40),

City nvarchar(40),

Country nvarchar(40),

Phone nvarchar(20)

);

select\*from order\_

create table order\_ (

Id int not null PRIMARY KEY,

OrderDate datetime not null,

OrderNumber nvarchar(10),

CustomerId int FOREIGN KEY REFERENCES customer(Id),

TotalAmount decimal(12,2)

);

drop table order\_

create table Product (

Id int not null PRIMARY KEY,

ProductName nvarchar(50),

unitprice decimal(12,2),

Package nvarchar(30),

IsDiscontinued bit

);

create table orderitem (

Id int not null PRIMARY KEY,

OrderId int FOREIGN KEY REFERENCES order\_(Id),

ProductId int FOREIGN KEY REFERENCES Product(Id),

UnitPrice decimal(12,2),

Quantity int

);

insert into customer(Id,FirstName,LastName,City,Country,Phone)

values (1,'Yash','Khandelwal','pune','India','9897238632');

insert into customer(Id,FirstName,LastName,City,Country,Phone)

values (2,'chinmay','Kaitikwar','pune','Taiwan','9453452243');

insert into customer(Id,FirstName,LastName,City,Country,Phone)

values (3,'aayush','bahurupi','nagpur','India','9123467890');

insert into customer(Id,FirstName,LastName,City,Country,Phone)

values (4,'rushikesh','more','mumbai','India','9342156789');

insert into customer(Id,FirstName,LastName,City,Country,Phone)

values (5,'sanket','arekar','beed','India','9762524123');

insert into order\_(Id,OrderDate,OrderNumber,CustomerId,TotalAmount)

values (102 ,'2023-01-10','ON01',3,1000.22);

insert into order\_(Id,OrderDate,OrderNumber,CustomerId,TotalAmount)

values (103 ,'2023-01-15','ON03',5,1100.22);

insert into order\_(Id,OrderDate,OrderNumber,CustomerId,TotalAmount)

values (104 ,'2023-02-20','ON06',1,512.78);

insert into order\_(Id,OrderDate,OrderNumber,CustomerId,TotalAmount)

values (105 ,'2023-03-25','ON076',4,1140.97);

select\*from order\_

insert into Product(Id,ProductName,UnitPrice,Package,IsDiscontinued)

values (111,'Webcam',500.11,'READY',0);

insert into Product(Id,ProductName,UnitPrice,Package,IsDiscontinued)

values (112,'Rose water',130.00,'READY',1);

insert into Product(Id,ProductName,UnitPrice,Package,IsDiscontinued)

values (113,'matchbox',15.20,'READY',0);

insert into Product(Id,ProductName,UnitPrice,Package,IsDiscontinued)

values (114,'table mount ',1200.11,'READY',null);

insert into Product(Id,ProductName,UnitPrice,Package,IsDiscontinued)

values (115,'Amazfit Watch',600.11,'NOTREADY',0);

insert into orderitem(Id,orderId,ProductId,UnitPrice,Quantity)

values (201,102,111,500.11,2);

insert into orderitem(Id,orderId,ProductId,UnitPrice,Quantity)

values (202,104,113,15.20,36);

insert into orderitem(Id,orderId,ProductId,UnitPrice,Quantity)

values (203,103,115,130.00,3);

insert into orderitem(Id,orderId,ProductId,UnitPrice,Quantity)

values (204,101,112,500.11,3);

insert into orderitem(Id,orderId,ProductId,UnitPrice,Quantity)

values (205,105,114,1200,1);

update customer

set Country='Argentina'

where Id=5;

select \* from customer

select Country from customer where Country like 'A%' or Country like 'I%';

select FirstName from Customer where FirstName like '\_\_i%';

ALTER TABLE customer

ADD FaxNumber int;

ALTER TABLE order\_

ADD ShippingDate datetime;

select\*from Product

update customer set FaxNumber = '111111'

where Id=2;

create table Shipping(

ShipName varchar(50),

ShipCompany varchar(50) Not Null,

IsOperational BIT

);

Create Table Employee(

EmpId int not null primary key,

EmpRole nvarchar(20),

EmpName nvarchar (50),

EmpLastName nvarchar(50)

);

insert into Shipping (ShipName,ShipCompany,IsOperational)

Values('Eddi Stan','Sealinks Agency',1);

insert into Employee(EmpId,EmpRole,EmpName,EmpLastName)

Values(15,'Employer','Ranu','Mundal');

select \* from Customer where Country='Germany';

SELECT \* FROM Customer WHERE FirstName like '\_U%';

SELECT EmpName + ' ' + EmpLastName AS FullName

FROM Employee;

SELECT \* fROM Customer where FaxNumber IS NOT NULL;

select \* from orderitem where UnitPrice between 10 and 20;

SELECT \* fROM order\_ where ShippingDate IS NOT NULL ORDER BY ShippingDate DESC;

select \* from Product where ProductSupplier = 'Exotica Liquids';

select \* from order\_ where ShipName='Lacorned abodance'

and ShippingDate between '1905-07-07' and '2023-06-01';

select \* from Employee

select avg(Quantity) from orderitem;

SELECT \* fROM Shipping where IsOperational = 1;

SELECT \* from Employee where EmpRole = 'Manager';

insert into customer(Id,FirstName,LastName,City,Country,Phone,FaxNumber)

values (7,'shashank','Pandey','Brussels','Belgium','4345234211',112354);

Update order\_ set ShippingDate= '2023-03-24' where Id=105;

insert into order\_(Id,OrderDate,OrderNumber,CustomerId,TotalAmount,ShippingDate,ShipName)

values (106 ,'2023-05-31','ON076',6,2000.68,'2023-06-01','Lacorned abodance');

update customer set FaxNumber=4432123 where Id=6;

update customer set phone='030-00743212' where Id=1;

insert into Product(Id,ProductName,unitprice,Package,IsDiscontinued,CategoryName,ProductSupplier)

Values (116,'Crab cake',300,'READY',1,'Sea Food','Fisheats');

update Product set ProductName='chai' where Id=113;

alter table Employee

add DeptName Varchar(50),

EmpRating int;

update Employee set DeptName='CS' , EmpRating='7'

where EmpId=16;

select \*from Employee

SELECT \* FROM order\_ JOIN customer ON order\_.CustomerId = customer.Id WHERE customer.Phone = '030-00743212';

select \* from Product Where CategoryName = 'Sea Food';

SELECT \* FROM order\_ JOIN customer ON order\_.CustomerId = customer.Id WHERE customer.City != 'London';

SELECT \* FROM orderitem JOIN Product ON orderitem.ProductId = Product.Id WHERE Product.ProductName = 'chai';

select \* from Employee;

select sum(unitprice) from Product group by unitprice having unitprice>50;

alter table Employee

add Doj datetime;

update Employee set Doj='2022-02-25'

where EmpId=15;

select TOP 1 \* from Employee order by Doj desc;

select TOP 1 \* from Employee order by Doj asc;

select ProductName,min(unitprice),max(unitprice) from Product group by ProductName;

alter table Product

add Available varchar(40);

select \*from Product

update Product set Available ='In stock'

where Id= 116;

select \*from Product where Available='out of stock';

select CategoryName , ProductSupplier from Product ;

SELECT customer.FirstName,LastName,order\_.Id,order\_.OrderDate FROM customer JOIN order\_ ON customer.Id=order\_.CustomerId ;

SELECT CustomerId, COUNT(Id) AS order\_count

FROM order\_

GROUP BY CustomerId

ORDER BY order\_count DESC

;

select customer.Id from customer where FirstName like '%RA%';

SELECT SUBSTRING(ShipCompany, 1, CHARINDEX(' ', ShipCompany)) AS first\_word

FROM Shipping;

alter table Product

add unitinstock int , unitonorder int;

update Product set unitinstock = 20,unitonorder= 7

where Id=116;

select \* from Product where unitinstock<unitonorder;