Create Database Shop

Create Table Customer(

Id int NOT NULL PRIMARY KEY,

FIRSTNAME nvarchar(40) NOT NULL,

LASTNAME nvarchar(40),

City nvarchar(40),

Country nvarchar(40),

Phone nvarchar(20)

);

Select \* from Customer

Create Table CustomerOrder(

Id int NOT NULL PRIMARY KEY,

OrderDate datetime,

OrderNumber nvarchar(10),

CustomerId int FOREIGN KEY REFERENCES Customer(Id),

TotalAmount decimal(12,2)

);

Create Table Product(

Id int NOT NULL PRIMARY KEY,

ProductName nvarchar(50),

UnitPrice decimal(12,2),

Package nvarchar(30),

IsDiscontinued bit

);

Select \* from Product

Create table OrderItem(

Id int NOT NULL PRIMARY KEY,

OrderId int FOREIGN KEY REFERENCES CustomerOrder(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, 'Rutuja', 'Dhokane', 'Pune', 'India', 9834214416);

Insert into Customer(Id,FIRSTNAME,LASTNAME,City,Country,Phone)

Values (2, 'Avinash', 'Shinde', 'Pune', 'India', 7776709437);

Insert into Customer(Id,FIRSTNAME,LASTNAME,City,Country,Phone)

Values (3, 'Divya', 'Bauskar', 'Mendoza', 'Argentina', 9834831970);

Insert into Customer(Id,FIRSTNAME,LASTNAME,City,Country,Phone)

Values (4, 'Ram', 'Mehta', 'Gujrat', 'India', 8834215416);

Select \* from Customer

Insert into CustomerOrder(Id,OrderDate,OrderNumber,CustomerId,TotalAmount)

Values (101, 2022-01-10, 'AB01',1,3000.45);

Insert into CustomerOrder(Id,OrderDate,OrderNumber,CustomerId,TotalAmount)

Values (102, 2022-09-12, 'AB02',2,2358.22);

Insert into CustomerOrder(Id,OrderDate,OrderNumber,CustomerId,TotalAmount)

Values (103, 2023-04-15, 'AB03',3,200.02);

Insert into CustomerOrder(Id,OrderDate,OrderNumber,CustomerId,TotalAmount)

Values (104, 2023-02-22, 'AB04',4,690.35);

Select \* from CustomerOrder

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

Values (201,'ExoticLiquids', 23,'Shipped',0);

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

Values (202,'Pen', 15,'Shipped',1);

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

Values (203,'Laptop', 7500,'Delivered',1);

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

Values (204,'Bag', 500,'Shipped',0);

Select \* from Product

Insert into OrderItem(Id,OrderId,ProductId,UnitPrice,Quantity)

Values (301,101,201,23,1)

Insert into OrderItem(Id,OrderId,ProductId,UnitPrice,Quantity)

Values (302,102,202,15,10)

Insert into OrderItem(Id,OrderId,ProductId,UnitPrice,Quantity)

Values (303,103,203,7500,2)

Insert into OrderItem(Id,OrderId,ProductId,UnitPrice,Quantity)

Values (304,104,204,500,5)

Select \* from OrderItem

Select \* from Customer

Select \* from Customer where Country like 'I%';

Select \* from Customer where Country like 'A%';

Select \* from Customer where Country like 'A%' or Country like'I%';

Select \* from Customer where FIRSTNAME like '\_\_i%';

Alter Table Customer

ADD FaxNumber int;

Alter Table CustomerOrder

ADD ShippingDate datetime;

Alter Table CustomerOrder

ADD ShipName nvarchar(30);

Alter Table CustomerOrder

ADD ShippingCompanyName nvarchar(40)

Alter Table Product

ADD CategoryName nvarchar(40);

Alter Table Product

ADD ProductSupplier nvarchar(40);

Select \* from Product

Update Product set CategoryName = 'Liquids' , ProductSupplier = 'Exoticliquids'

Where Id = 201;

Update Product set CategoryName = 'Electronic' , ProductSupplier = 'DELL'

Where Id = 203;

Update Product set CategoryName = 'Stationary' , ProductSupplier = 'Eion'

Where Id = 204;

Select \* from CustomerOrder

Update CustomerOrder set OrderDate = '2022-01-10'

Where Id = 101

Update CustomerOrder set OrderDate = '2022-09-12'

Where Id = 102

Update CustomerOrder set OrderDate = '2023-04-15'

Where Id = 103

Update CustomerOrder set OrderDate = '2023-02-22'

Where Id = 104

Update CustomerOrder set ShippingDate = '2022-01-21' , ShipName = 'La corned abondance' , ShippingCompanyName = 'ABC'

Where Id = 101

Update CustomerOrder set ShippingDate = '2022-09-18' , ShipName = 'Express' , ShippingCompanyName = 'BCD'

Where Id = 102

Update CustomerOrder set ShippingDate = '2023-04-23' , ShipName = 'Brig' , ShippingCompanyName = 'CEF'

Where Id = 103

Update CustomerOrder set ShippingDate = '2023-02-28' , ShipName = 'La corned abondance' , ShippingCompanyName = 'ABC'

Where Id = 104

Update Customer set FaxNumber = 555-123-4567

Where Id = 1;

Update Customer set FaxNumber = 241

Where Id = 4;

Update Customer set FIRSTNAME = 'Ralph' , LASTNAME = 'Jackson' , City = 'Hamburg' , Country = 'Germany'

Where Id = 4;

Update Customer set FaxNumber = 555-123-4567

Where Id = 1;

Create Table Shipping(

ShipName varchar(40) ,

ShipppingCompanyName varchar(40),

IsOperational bit

);

Insert into Shipping(ShipName, ShipppingCompanyName, IsOperational)

values ('La corned abondance', 'ABC', 1);

Insert into Shipping(ShipName, ShipppingCompanyName, IsOperational)

values ('Express', 'BCD', 0);

Insert into Shipping(ShipName, ShipppingCompanyName, IsOperational)

values ('Brig', 'CEF', 0);

Insert into Shipping(ShipName, ShipppingCompanyName, IsOperational)

values ('La corned abondance', 'ABC', 1);

Select \* from Shipping

Create Table Employee(

EmpId int NOT NULL PRIMARY KEY,

EmpFirstName nvarchar(30),

EmpLastName nvarchar(30)

);

Insert into Employee(EmpId, EmpFirstName, EmpLastName)

values (111, 'Reshma', 'Shelke')

Insert into Employee(EmpId, EmpFirstName, EmpLastName)

values (222, 'Johnny', 'Lawrence')

Insert into Employee(EmpId, EmpFirstName, EmpLastName)

values (333, 'Tom', 'Cruise')

Insert into Employee(EmpId, EmpFirstName, EmpLastName)

values (444, 'Angelina', 'Johnson')

Select \* from Employee

Select \* from Customer Where Country = 'Germany'

Select EmpFirstName + ' ' + EmpLastName AS FullName from Employee

Select \* from Customer where FaxNumber is NOT NULL

Select \* from Customer where FIRSTNAME like '\_u%'

Select \* from OrderItem where UnitPrice>=10 and UnitPrice<=20

Select \* from CustomerOrder where ShippingDate is NOT NULL ORDER BY ShippingDate

Select \* from CustomerOrder where ShipName = 'La corned abondance' and ShippingDate between '2022-01-10' and '2022-02-05'

Select \* from Product WHERE ProductSupplier = 'Exoticliquids'

Select avg(Quantity) from OrderItem

Select \* from Shipping where IsOperational = 0;

update Customer set Phone = '030-00743212' where Id=3;

Update Product Set ProductName = 'Fish', UnitPrice = 200, CategoryName = 'SeaFood', ProductSupplier = 'NatureBasket'

Where Id = 203

update Product set ProductName='Chai' where Id =204;

Alter Table Employee

add DeptName Varchar(30),

EmpRating int;

Update Employee set DeptName='Marketing' , EmpRating='5'

where EmpId=333;

Update Employee set DeptName='Sales' , EmpRating='4'

where EmpId=111;

Update Customer set City = 'London', Country = 'England'

Where Id = 1;

SELECT \* FROM CustomerOrder JOIN Customer ON CustomerOrder.CustomerId = Customer.Id

WHERE Customer.Phone = '030-00743212';

Select \* from Product Where CategoryName = 'SeaFood';

SELECT \* FROM CustomerOrder JOIN Customer ON CustomerOrder.CustomerId = customer.Id

WHERE Customer.City != 'London';

SELECT \* FROM OrderItem JOIN Product ON OrderItem.ProductId = Product.Id

WHERE Product.ProductName = 'chai';

Select \* from Employee Where EmpId = 333

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

Alter table Employee

add DateOfJoining datetime;

Update Employee set DateOfJoining = '2023-01-27'

where EmpId=111;

Update Employee set DateOfJoining = '2022-02-16'

where EmpId = 222;

Update Employee set DateOfJoining = '2022-06-05'

where EmpId=333;

Update Employee set DateOfJoining = '2023-02-01'

where EmpId=444;

Select TOP 1 \* from Employee order by DateOfJoining desc;

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

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

Alter Table Product

Add Available nvarchar(30)

Update Product set Available ='OurOfStock'

where Id= 201;

Update Product set Available ='InStock'

where Id= 203;

Update Product set Available ='InStock'

where Id= 204;

Update Product set Available ='OutOfStock'

where Id= 202;

Select \* from Product where Available='OutOfStock';

alter table Product

add unitinstock int , unitonorder int;

update Product set unitinstock = 20, unitonorder= 7

where Id=202;

update Product set unitinstock = 24, unitonorder= 35

where Id=204;

update Product set unitinstock = 30, unitonorder= 46

where Id=201;

update Product set unitinstock = 50, unitonorder= 35

where Id=203;

select \* from Product where unitinstock<unitonorder;

select CategoryName , ProductSupplier from Product ;

SELECT Customer.FirstName,LastName,

CustomerOrder.Id,OrderDate

FROM Customer JOIN CustomerOrder ON Customer.Id=CustomerOrder.CustomerId ;

SELECT CustomerId, COUNT(Id) AS order\_count

FROM CustomerOrder

GROUP BY CustomerId

ORDER BY order\_count DESC

;

select Id from Customer where FirstName like '%RA%';

Select \* from Shipping

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

FROM Shipping;

update Shipping set ShipppingCompanyName= 'shiporder service'

where ShipName='Brig';