Assignment 1

CREATE TABLE Customer (

CustomerId INT PRIMARY KEY,

FirstName NVARCHAR(40) NOT NULL,

LastName NVARCHAR(40),

City NVARCHAR(40),

Country NVARCHAR(40),

Phone NVARCHAR(20)

);

CREATE TABLE Orders(

OrderId INT PRIMARY KEY,

OrderDate DATETIME NOT NULL,

OrderNumber NVARCHAR(10),

CustomerId INT,

TotalAmount DECIMAL(12,2),

FOREIGN KEY (CustomerId) REFERENCES Customer (CustomerId)

);

CREATE TABLE Products (

ProductId INT PRIMARY KEY,

ProductName NVARCHAR(50),

UnitPrice DECIMAL(12,2),

Package NVARCHAR(30),

IsDiscontinued BIT

);

CREATE TABLE OrderItem (

OrderItemId INT PRIMARY KEY,

OrderId INT,

ProductId INT,

UnitPrice DECIMAL(12,2),

Quantity INT,

FOREIGN KEY (OrderId) REFERENCES Orders (OrderId),

FOREIGN KEY (ProductId) REFERENCES Products (ProductId)

);

/\* values inserted\*/

INSERT INTO Customer (CustomerId, FirstName, LastName, City, Country, Phone)

VALUES (1, 'John', 'Doe', 'New York', 'USA', '1234567890');

INSERT INTO Orders(OrderId, OrderDate, OrderNumber, CustomerId, TotalAmount)

VALUES (1, '2022-01-01', 'ORD001', 1, 100.00);

INSERT INTO Products(ProductId, ProductName, UnitPrice, Package, IsDiscontinued)

VALUES (1, 'Product 1', 10.00, 'Package 1', 0);

INSERT INTO OrderItem (OrderItemId, OrderId, ProductId, UnitPrice, Quantity)

VALUES (1, 1, 1, 10.00, 1);

INSERT INTO Customer (CustomerId, FirstName, LastName, City, Country, Phone)

VALUES (2, 'bless', 'bay', 'New York', 'USA', '1234567891');

INSERT INTO Orders(OrderId, OrderDate, OrderNumber, CustomerId, TotalAmount)

VALUES (2, '2022-02-02', 'ORD002', 2, 101.00);

INSERT INTO Products(ProductId, ProductName, UnitPrice, Package, IsDiscontinued)

VALUES (2, 'Product 2', 11.00, 'Package 2', 0);

INSERT INTO OrderItem (OrderItemId, OrderId, ProductId, UnitPrice, Quantity)

VALUES (2, 2, 2, 11.00, 1);

INSERT INTO Customer (CustomerId, FirstName, LastName, City, Country, Phone)

VALUES (3, 'suita', 'soarb', 'pune', 'india', '9876543210'),

(4, 'karishma', 'kapoor', 'mumbai', 'india', '9876543201');

INSERT INTO Orders(OrderId, OrderDate, OrderNumber, CustomerId, TotalAmount)

VALUES (3, '2022-03-02', 'ORD003', 3, 103.00),

(4, '2022-04-02', 'ORD004', 4, 104.00);

INSERT INTO Products(ProductId, ProductName, UnitPrice, Package, IsDiscontinued)

VALUES (3, 'Product 3', 13.00, 'Package 3', 0),

(4, 'Product 4', 14.00, 'Package 4', 0);

INSERT INTO OrderItem (OrderItemId, OrderId, ProductId, UnitPrice, Quantity)

VALUES (3, 3, 3, 13.00, 1),

(4, 4, 4, 14.00, 1);

INSERT INTO Customer (CustomerId, FirstName, LastName, City, Country, Phone)

values(5, 'asiha', 'sommal', 'mumbai', 'india', '9876883201');

INSERT INTO Orders(OrderId, OrderDate, OrderNumber, CustomerId, TotalAmount)

values (5 , '2022-05-02', 'ORD005', 5, 105.00);

INSERT INTO Products(ProductId, ProductName, UnitPrice, Package, IsDiscontinued)

values (5, 'Product 5', 15.00, 'Package 5', 0);

INSERT INTO OrderItem (OrderItemId, OrderId, ProductId, UnitPrice, Quantity)

values (5, 5, 5, 15.00, 1);

/\*displayed tables\*/

select\*from Customer;

select\* from orders;

select\* from Products;

select\* from OrderItem;

alter TABLE Customer

alter column FirstName NVARCHAR(60) NOT NULL;

alter TABLE orders

alter column OrderDate NVARCHAR(60) NOT NULL;

/\*country name staring with a or i\*/

select\*from Customer

where country like 'A%' or country like 'I%';

/\*3rd charcter is i\*/

SELECT FirstName, LastName

FROM Customer

WHERE SUBSTRING(FirstName, 3, 1) = 'i'