NAME : NEELIMA KHERDE

SQL ASSIGNMENT

**SQL ASSIGNMENT ONE :**

1.

*Create OrderItem Table with Id as Primary Key OrderId and ProductId as foreign Key:*

CREATE TABLE OrderItem

( ItemId int PRIMARY KEY,

OrdereId int FOREIGN KEY references[order](OrderId),

ProductId int FOREIGN KEY references[product](ProductId),

UnitPrice decimal(12,2),

Quantity int );

Create IndexOrderItemOrderId on OrderItem(OrderId);

Create IndexOrderItemProductId on OrderItem(ProductId);

*Create Order Table with Id as Primary Key and CustomerId as foreign Key:*

CREATE TABLE Order

( OrderId int PRIMARY KEY,

OrderDate datetime,

OrderNumber nvarchar(10),

CustomerId int FOREIGN KEY,

TotalAmount decimal (12,2));

Create IndexOrderCustomerId on [Order](CustomerId);

Create IndexOrderOrderDate on [Order](OrderDate);

*Create Customer Table with Id as Primary Key:*

Create Table Customer

( CustomerId int PRIMARY KEY,

FirstName nvarchar(40),

LastName nvarchar(40),

City nvarchar(40),

Country nvarchar(40),

Phone nvarchar(20));

Create IndexCustomerName on Customer[FirstName];

*Create Product Table with Id as Primary Key:*

Create Table Product

( ProductId int PRIMARY KEY,

ProductName nvarchar(50),

Unitprice decimal(12,2),

Package nvarchar(30),

IsDiscontinued bit );

Create IndexProductSupplierId on Product(ProductId);

Create IndexProductName on Product(ProductName);

2.

*OrderItem Table:*

INSERT INTO OrderItem(OrderId, ProductId, UnitPrice, Quantity) values(01, 14, 1500.25, 40);

INSERT INTO OrderItem(OrderId, ProductId, UnitPrice, Quantity)values(02, 19, 1633.98, 13);

INSERT INTO OrderItem(OrderId, ProductId, UnitPrice, Quantity)values(03, 12, 1555.3, 19);

INSERT INTO OrderItem(OrderId, ProductId, UnitPrice, Quantity)values(04, 09, 1204.55, 25);

INSERT INTO OrderItem(OrderId, ProductId, UnitPrice, Quantity)values(05, 10, 603.55, 63);

INSERT INTO OrderItem(OrderId, ProductId, UnitPrice, Quantity)values(06, 11, 500.99, 20);

*Order Table:*

INSERT INTO Order(OrderId, OrderDate, OrderNumber, CustomerId, TotalAmount) values (01, 02-04-2022 12:45, 222, 12, 5600.22);

INSERT INTO Order(OrderId, OrderDate, OrderNumber, CustomerId, TotalAmount) values (02, 01-04-2022 10:55, 244, 18, 7450.72);

INSERT INTO Order(OrderId, OrderDate, OrderNumber, CustomerId, TotalAmount) values (03, 02-03-2022 15:04, 122, 13, 4500.08);

INSERT INTO Order(OrderId, OrderDate, OrderNumber, CustomerId, TotalAmount) values (04, 01-01-2022 10:05, 156, 17, 5622.45);

INSERT INTO Order(OrderId, OrderDate, OrderNumber, CustomerId, TotalAmount) values (05, 12-05-2022 22:43, 453, 22, 2 125.00);

INSERT INTO Order(OrderId, OrderDate, OrderNumber, CustomerId, TotalAmount) values (06, 18-06-2022 09:15, 111, 13, 6258.11);

*Customer Table:*

INSERT INTO Customer (CustomerId, FirstName, LastName, City, Country, Phone)values (01, ‘Ishita’,’parag’, ‘Mumbai’, ’India’, 1112223334);

INSERT INTO Customer (CustomerId, FirstName, LastName, City, Country, Phone)values (02, ‘Vidya’, ’Sharma’, ‘Nainital’, ’India’, 8787969610);

INSERT INTO Customer (CustomerId, FirstName, LastName, City, Country, Phone)values (03, ‘Balbil’, ’Kaur’, ‘Punjab’, ’India’, 1599753255);

INSERT INTO Customer (CustomerId, FirstName, LastName, City, Country, Phone)values (04, ‘Ash’, ’Gupta’, ‘Kathmandu’, ’Nepal’, 6544563215);

INSERT INTO Customer (CustomerId, FirstName, LastName, City, Country, Phone)values (05, ‘Zain’, ’khan’, ‘Lahore’, ’Pakistan’, 9876543211);

INSERT INTO Customer (CustomerId, FirstName, LastName, City, Country, Phone)values (06, ‘Neha’, ’Verma’, ‘Bhilai’, ’India’, 9100055544);

*Product Table:*

INSERT INTO Product(ProductId, ProductName, UnitPrice, Package, IsDiscontinued bit)VALUES (52, ‘ToothBrush’, 180, ‘March’, True);

INSERT INTO Product(ProductId, ProductName, UnitPrice, Package, IsDiscontinued bit)VALUES (55, ‘HairBrush’, 550, ‘July, True);

INSERT INTO Product(ProductId, ProductName, UnitPrice, Package, IsDiscontinued bit)VALUES (78, ‘PaintBrush’, 350, ‘Dec’, True);

INSERT INTO Product(ProductId, ProductName, UnitPrice, Package, IsDiscontinued bit)VALUES (77, ‘NailBrush’, 990, ‘Dec’, True);

INSERT INTO Product(ProductId, ProductName, UnitPrice, Package, IsDiscontinued bit)VALUES (26, ‘ElectircToothBrush’, 1800, ‘Jan’, True);

INSERT INTO Product(ProductId, ProductName, UnitPrice, Package, IsDiscontinued bit)VALUES (89, ‘MakeupBrush’, 900, ‘Dec’, True);

3.

ALTER TABLE Customer

ALTER COLUMN[FirstName]nvarchara(40)NOT NULL;

4.

ALTER TABLE [Order]

ALTER COLUMN [OrderDate]datetime NOT NULL;

5.

SELECT \* FROM CUSTOMER;

6.

SELECT \* FROM CUSTOMER WHERE Country LIKE ‘A%’ OR Country LIKE ‘I%’;

7.

SELECT \* FROM CUSTOMER WHERE FirstName LIKE ’\_\_i%’;

**SQL ASSIGNMENT TWO:**

1.

SELECT \* FROM Customer WHERE Country=’Germany’;

2.

SELECT FirstName + ’ ’ + LastName AS EmployeeFullName from Employee;

3.

SELECT FaxNumber FROM Customer;

5.

SELECT UnitPrice FROM Orders WHERE UnitPrice>10 and UnitPrice<20;

4.

SELECT FirstName FROM Customer WHERE FirstName LIKE ‘\_U%’;

6.

SELECT ShippingDate As ShippingDate FROM Orders ORDER BY ShippingDate;

7.

SELECT ShipName = ‘La corne dábondance’ FROM Orders WHERE OrderDTAE between ‘1 jan 2022’ AND ‘4 feb 2022’;

9.

SELECT avg(quantity) FROM Product;

10.

SELECT ShipName FROM Order WHERE Discontinued= ‘False’ ORDERBY ShipName;