**ASSIGNMENT NO-1**

**1.Desgin the above database with following table by applying Primary key and Foreign key**

**Answer :**

**Create Customer table with id as Primary Key**

Create table Customer(

ID int primary key,

Firstname nvarchar(40) NOT NULL,

LastName nvarchar(40),

City nvarchar(40),

Country nvarchar(40)

Phone nvarchar(20)

);

create index IndexCustomerName on Customer[FirstName];

**Create Order table with id as Primary Key CustomerId as foreign Key**

Create table Order (

Id Int Primary key,

OrderDate datetime,

OrderNumber nvarchar(10),

CustomerId int foreign key references Customer(Id),

TotalAmount decimal(12,2)

);

create index IndexOrderCustomerId on [Order](CustomerId) ;

create index IndexOrderOrderDate on [Order](OrderDate);

**Create Product table with id as Primary Key**

Create table Product (

Id Int Primary key,

ProductName nvarchar(50),

UnitPrice decimal(12,2),

Package nvarchar(30),

IsDiscontinued bit );

create index IndexProductSupplierId on [Product](Id) ;

create index IndexProductName on [Product](ProductName) ;

**Create OrderItem table with id as Primary Key OrderId and Product as**

**foreign Key**

Create table OrderItem (

Id Int Primary key,

OrderId int foreign key references [Order](Id),

ProductId int foreign key references Product(Id),

UnitPrice decimal(12,2),

Quantity int);

create index IndexOrderItemOrderId on [OrderItem](OrderId) ;

create index IndexOrderItemProductId on [OrderItem](ProductId) ;

**2.Insert Records in all tables**

**Answer : Customer table**

insert into Customer(ID,FirstName,LastName,City,Country,Phone)values

(1,'Kajal','Patel','Gujrat','India',1234567899);

insert into Customer(ID,FirstName,LastName,City,Country,Phone)values

(2,'Kiara','Gaul','Zurich','Switzerland',8888883234);

insert into Customer(ID,FirstName,LastName,City,Country,Phone)values

(3,'Sriya','Khan','Abu dhabi','Dubai',0022353604);

insert into Customer(ID,FirstName,LastName,City,Country,Phone)values

(4,'Sachin','Bhoir','Nagpur','India',6767675656);

insert into Customer(ID,FirstName,LastName,City,Country,Phone)values

(5,'Dev','Dikhava','Pune','India',8108333234);

insert into Customer(ID,FirstName,LastName,City,Country,Phone)values

(6,'Siddhesh','Patil','Lucknow','India',9323234564);

insert into Customer(ID,FirstName,LastName,City,Country,Phone)values

(7,'Naina','Sharma','London','England',220034346);

insert into Customer(ID,FirstName,LastName,City,Country,Phone)values

(8,'Surya','Sutaria','paris','France',77863234);

SELECT \* FROM Customer

**Order Table**

insert into Order(OrderDate,OrderNumber,TotalAmount) values

(1,'2022-03-29 02:23:42','5464',1,2500.75);

insert into Order(OrderDate,OrderNumber,TotalAmount) values

(2,'2022-04-19 05:27:00','5023',3,3000.50);

insert into Order(OrderDate,OrderNumber,TotalAmount) values

(3,'2022-02-10 06:21:32','5784',2,3500.00);

insert into Order(OrderDate,OrderNumber,TotalAmount) values

(4,'2022-03-03 18:12:30','5469',4,4500.75);

insert into Order(OrderDate,OrderNumber,TotalAmount) values

(5,'2022-04-21 19:23:21','7856',5,4500.60);

insert into Order(OrderDate,OrderNumber,TotalAmount) values

(6,'2022-05-13 14:13:58','2922',7,4700.90);

insert into Order(OrderDate,OrderNumber,TotalAmount) values

(7,'2022-06-23 02:53:36','6545',6,300.660);

insert into Order(OrderDate,OrderNumber,TotalAmount) values

(8,'2022-03-12 11:23:42','3445',9,5000.50);

**OrderItem Table**

insert into OrderItem(OrderId,ProductId,UnitPrice,Quantity) values

(1,1,3,2500.75,45),

insert into OrderItem(OrderId,ProductId,UnitPrice,Quantity) values

(2,3,4,3000.50,35),

insert into OrderItem(OrderId,ProductId,UnitPrice,Quantity) values

(3,2,6,3500.00,30),

insert into OrderItem(OrderId,ProductId,UnitPrice,Quantity) values

(4,4,2,4500.75,40),

insert into OrderItem(OrderId,ProductId,UnitPrice,Quantity) values

(5,5,1,4500.60,50),

insert into OrderItem(OrderId,ProductId,UnitPrice,Quantity) values

(6,7,5,4700.90,55),

insert into OrderItem(OrderId,ProductId,UnitPrice,Quantity) values

(7,6,10,300.60,20),

insert into OrderItem(OrderId,ProductId,UnitPrice,Quantity) values

(8,10,9,5000.50,50),

**3.In Customer table FirstName Attribute should not accept null value**

**Answer :** drop index IndexCustomerName on Customer;

ALTER TABLE Customer alter COLUMN FirstName nvarchar(40) NOT

NULL;

**4.In Order table OrderDate should not accept null value**

**Answer :** drop index IndexOrderOrderDate on [Order];

ALTER TABLE [Order] alter COLUMN OrderDate datetime NOT NULL;

**5. write a query to display Country whose name starts with A or I**

**Answer :** SELECT \* FROM Customer where Country LIKE 'A%' OR Country LIKE

'I%';

**6 .Display all customer details**

**Answer :** SELECT \* FROM Customer;

**7. write a query to display whose name of customer whose third character is i**

**Answer :** SELECT \* FROM Customer where FirstName LIKE '\_\_i%';