**Assignment 1**

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

--Create New Database --

USE company;

**-- Create Customer table--**

Create table Customer (

Id Int Primary key,

FirstName nvarchar(40),

LastName nvarchar(40),

City nvarchar(40),

Country nvarchar(40),

Phone nvarchar(20),

);

create index IndexCustomerName on Customer[FirstName];

**-- Create Order table--**

Create table [Order] (

Id Int Primary key,

OrderDate datetime,

OrderNumber nvarchar(10),

CustomerId int foreign key references Customer(Id),

TotalAmmount decimal(12,2)

);

**--Create idexes for Order table--**

create index IndexOrderCustomerId on [Order](CustomerId) ;

create index IndexOrderOrderDate on [Order](OrderDate);

**--Create Product table--**

Create table Product (

Id Int Primary key,

ProductName nvarchar(50),

UnitPrice decimal(12,2),

Package nvarchar(30),

IsDiscontinued bit );

**--Create idexes for Product table--**

create index IndexProductSupplierId on [Product](Id) ;

create index IndexProductName on [Product](ProductName) ;

**--Create OrderItem--**

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),

Quntity int);

**--Create idexes for OrderItem table--**

create index IndexOrderItemOrderId on [OrderItem](OrderId) ;

create index IndexOrderItemProductId on [OrderItem](ProductId) ;

1. **Insert Records in all tables**

**-- insert records in Customer table—**

INSERT INTO Customer

VALUES

(1,'Mohit','Kumar','Gujarat','India','4523812350'),

(2,'Nishit,'Shethiya','Jamnagar','India','954545454544'),

(3,'Hans','Zala','Gandhinagar','india','54744655664'),

(4,'Meet','Desai','New york','America','4564556565'),

(5,'Meet','Barot','udaipur','Rajsthan','586545666'),

(6,'Niya','Patel','Sydney','Australia','87812215822'),

(7,'Diya','Patel','Tokyo','japan','765464456446'),

(8,'Karan','Pandya','Abu dabi','Dubai','454545656456'),

(9,'Dhruv','Darji','Delhi','India','7545545654545'),

(10,'Parth','Rajput','Bangalore','India','455545486555');

--insert records in Order table—

INSERT INTO Order

VALUES

(1,'2022-02-2 01:23:45','1234',1,5000.25),

(2,'2021-04-30 06:45:00','5678',4,3000.20),

(3,'2020-02-10 03:25:30','5784',2,4200.10),

(4,'2022-03-03 22:11:30','6231',3,3600.15),

(5,'2021-04-21 10:45:50','9865',7,2500.80),

(6,'2020-05-13 18:30:35','3216',7,7500.10),

(7,'2022-06-23 03:03:30','3216',9,9800.60),

(8,'2020-03-12 1:02:34','6445',10,1000.25),

(9,'2022-04-11 22:05:23','5445',1,2500.50),

(10,'2021-04-02 19:45:15','6681',5,1500.10)

--insert records in OrderItem table—

INSERT INTO OrderItem

VALUES

(1, 2,1,5000.25,35),

(2, 3,4,3000.20,55),

(3,7, 2,4200.10,60),

(4, 2,3,3600.15,30),

(5,1, 7,2500.80,20),

(6,8, 7,7500.10,40),

(7, 4,9,9800.60,80),

(8, 10,10,1000.25,45),

(9, 6,1,2500.50,55),

(10,7, 5,1500.10,65);

--insert records in Product table--

INSERT INTO Product

VALUES

(1,'iphone',4500.75,'box',1),

(2,'Samsung',4000.50,'boxe',0),

(3,'Nokia',3500.00,'box',1),

(4,'Oneplus',5500.75,'boxe',0),

(5,'Dell',4500.60,'bag',0),

(6,'redmi',4700.90,'box',1),

(7,'Real me',300.60,'box',1),

(8,'Boat',5000.50,'poly bag',0),

(9,'lava',3000.75,'box',1),

(10,'hp',2000.25,'bag',0);

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

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**

drop index IndexOrderOrderDate on [Order];

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

**5. Display all customer details**

SELECT \* FROM customer;

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

SELECT Country

FROM customer

WHERE Country LIKE 'A%' OR country LIKE 'I%';

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

UPDATE customer

SET FirstName = 'mit',

LastName = 'Barot'

WHERE id=4;

SELECT FirstName

FROM customer

WHERE FirstName LIKE '\_\_i%';