CREATE DATABASE OrderDb

use OrderDb

/Customer Table/

CREATE TABLE Customer(

CustomerId int PRIMARY KEY,

FirstName nvarchar(40),

LastName nvarchar(40),

City nvarchar(40),

Country nvarchar(40),

Phone nvarchar(40),);

--Index for customer name

CREATE INDEX IndexOrderCustomerId;

ON Customer(FirstName,LastName);

--insert data into customer table

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

VALUES (1,'AXAR','PATEL','DELHI','INDIA','9123356738'),

(2,'GOPALA','KRISHNAN','MUMBAI','INDIA','9826894678'),

(3,'RISHABH','JAIN','PUNE','INDIA','8798735678'),

(4,'YUVARAJ','SINGH','BANGALORE','INDIA','8712362314'),

(5,'ANUDEEP','SINGH','MUMBAI','INDIA','8798743674');

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

VALUES (6,'RIA','SINGH','NEW YORK','USA','8764986765');

(7,'P',’VISWANATH','DELHI','INDIA','8765437850');

--SELECT \* FROM Customer

--use OrderDb

/OrderTable/

CREATE TABLE OrderTable(

OrderId int PRIMARY KEY,

OrderDate datetime,

OrderNumber nvarchar(40),

CustomerId int FOREIGN KEY REFERENCES Customer(CustomerId),

TotalAmount decimal(12,2));

--insert data into Order

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

values (1,05-04-2022,101,1,100.00),

(2,01-04-2022,101,1,200.00),

(3,02-04-2022,101,1,100.00);

--create index

CREATE INDEX IndexOrderCustomerId

ON OrderTable(CustomerId);

CREATE INDEX IndexOrderOrderDate

ON OrderTable(OrderDate);

/product table/

CREATE TABLE ProductTable(

ProductId int PRIMARY KEY,

ProductName nvarchar(50),

UnitPrice decimal(12,2),

Package nvarchar(30),

IsDiscontinued bit);

--create index

CREATE INDEX IndexProductSupplierId

ON ProductTable(ProductId);

CREATE INDEX IndexProductName

ON ProductTable(ProductName);

--insert data into product

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

VALUES (1,'SEAFOOD',100.00,'EXOTIC LIQIDS',0),

(2,'TOYS',100.00,'ABC PACKAGE',0),

(3,'SEAFOOD',100.00,'ATZ',0);

/Orderitemtable/

CREATE TABLE OrderItemTable(

OrderItemId int PRIMARY KEY,

OrderId int FOREIGN KEY REFERENCES OrderTable(OrderId),

ProductId int FOREIGN KEY REFERENCES ProductTable(ProductId),

UnitPrice decimal(12,2),

Quantity int);

--create index

CREATE INDEX IndexOrderItemOrderId

ON OrderItemTable(OrderItemId);

CREATE INDEX IndexOrderItemProductId

ON OrderItemTable(ProductID);

--insert data into OrderItem

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

VALUES(1,1,1,100.00,1),

(2,2,2,200.00,2),

(3,3,3,200.00,1),

(4,4,4,100.00,1);

--Display Customer details

SELECT \* FROM Customer;

--DISPLAY COUNTER NAME STARTS WITH A OR I

SELECT Country FROM Customer

WHERE LastName like 'A%' or LastName like 'I%'

-- DISPLAY WHOSE NAME THIRD LETTER IS 'I'

SELECT Customer.FirstName,Customer.LastName

FROM dbo.Customer

WHERE LastName LIKE '\_\_I%';

--Alter customer firstname and OrderTable by adding not null

ALTER TABLE dbo.Customer

Alter Column FirstName nvarchar(40) Not NULL;

--Alter customer OrderTable by adding not null DateTime

ALTER TABLE OrderTable

Alter Column OrderDate DateTime Not NULL;