DML

--- 2 ---

SET IDENTITY\_INSERT [dbo].[Employees] ON

delete

from Employees

where EmployeeID = 10

insert into Employees(EmployeeID

,LastName

,FirstName

,Title

,TitleOfCourtesy

,BirthDate

,HireDate

,Address

,City

,Region

,PostalCode

,Country

,HomePhone

,Extension

,Photo

,Notes

,ReportsTo

,PhotoPath)

values (13, 'Ziv', 'Oren', 'Sales Representative', 'Ms.', '1989-08-25 00:00:00.000', '2018-12-07 00:00:00.000', 'Sokolov', TA', NULL, 57293, 'Israel', 0000000, 050, NULL, NULL, 5, NULL)

SET IDENTITY\_INSERT [dbo].[Employees] OFF

--- 3 ---

DECLARE

@CustomerName nvarchar(50) = 'Island Trading',

@RecDate datetime = '2018-12-31',

@productname nvarchar(100) = 'Chai',

@Quantity int = 100,

@Discount Float = 0

insert into Orders

values ((select [CustomerID] from Customers where CompanyName = @CustomerName),

13,

getdate(),

@RecDate,

NULL,

NULL,

NULL,

@CustomerName,

(select [Address] from Customers where CompanyName = @CustomerName),

(select [City] from Customers where CompanyName = @CustomerName),

(select [Region] from Customers where CompanyName = @CustomerName),

(select [PostalCode] from Customers where CompanyName = @CustomerName),

(select [Country] from Customers where CompanyName = @CustomerName)

)

insert into [Order Details]

values ((select Max(orderID) from Orders where CustomerID = (select [CustomerID] from Customers where CompanyName = @CustomerName)),

(select productID from Products where ProductName = @productname),

(select UnitPrice from Products where ProductName = @productname),

@Quantity,

@Discount

)

--- 4 ---

GO

DECLARE

@CustomerName nvarchar(50) = 'Simons bistro',

@RecDate datetime = '2018-12-31',

@productname nvarchar(100) = 'Chai',

@Quantity int = 50,

@Discount Float = 0,

@productname2 nvarchar(100) = 'Tofu',

@Quantity2 int = 50,

@Discount2 Float = 0

insert into Orders

values ((select [CustomerID] from Customers where CompanyName = @CustomerName),

13,

getdate(),

@RecDate,

NULL,

NULL,

NULL,

@CustomerName,

(select [Address] from Customers where CompanyName = @CustomerName),

(select [City] from Customers where CompanyName = @CustomerName),

(select [Region] from Customers where CompanyName = @CustomerName),

(select [PostalCode] from Customers where CompanyName = @CustomerName),

(select [Country] from Customers where CompanyName = @CustomerName)

)

insert into [Order Details]

values ((select Max(orderID) from Orders where CustomerID = (select [CustomerID] from Customers where CompanyName = @CustomerName)),

(select productID from Products where ProductName = @productname),

(select UnitPrice from Products where ProductName = @productname),

@Quantity,

@Discount

)

insert into [Order Details]

values ((select Max(orderID) from Orders where CustomerID = (select [CustomerID] from Customers where CompanyName = @CustomerName)),

(select productID from Products where ProductName = @productname2),

(select UnitPrice from Products where ProductName = @productname2),

@Quantity2,

@Discount2

)

--- 5 ---

insert into Customers

values ('ANGJO', 'Angelina Jolie', NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL)

GO

DECLARE

@CustomerName nvarchar(50) = 'Angelina Jolie',

@RecDate datetime = '2019-01-31',

@productname nvarchar(100) = 'Chai',

@Quantity int = 10,

@Discount Float = 0,

@productname2 nvarchar(100) = 'Tofu',

@Quantity2 int = 5,

@Discount2 Float = 0

insert into Orders

values ((select [CustomerID] from Customers where CompanyName = @CustomerName),

13,

getdate(),

@RecDate,

NULL,

NULL,

NULL,

@CustomerName,

(select [Address] from Customers where CompanyName = @CustomerName),

(select [City] from Customers where CompanyName = @CustomerName),

(select [Region] from Customers where CompanyName = @CustomerName),

(select [PostalCode] from Customers where CompanyName = @CustomerName),

(select [Country] from Customers where CompanyName = @CustomerName)

)

insert into [Order Details]

values ((select Max(orderID) from Orders where CustomerID = (select [CustomerID] from Customers where CompanyName = @CustomerName)),

(select productID from Products where ProductName = @productname),

(select UnitPrice from Products where ProductName = @productname),

@Quantity,

@Discount

)

insert into [Order Details]

values ((select Max(orderID) from Orders where CustomerID = (select [CustomerID] from Customers where CompanyName = @CustomerName)),

(select productID from Products where ProductName = @productname2),

(select UnitPrice from Products where ProductName = @productname2),

@Quantity2,

@Discount2

)

--- 6 ---

GO

CREATE procedure sp\_DeleteCustomer

@CustomerName nvarchar(50)

AS

BEGIN

DECLARE

@CustomerID nvarchar(50)

select @CustomerID = CustomerID

from Customers

where CompanyName = @CustomerName

DELETE

from [Order Details]

where orderID in (select OrderID from Orders where CustomerID = @CustomerID)

DELETE

from Orders where CustomerID = @CustomerID

DELETE

from Customers

where CustomerID = @CustomerID

END

---------------------------------------

EXEC sp\_DeleteCustomer 'Angelina Jolie'

--- 7 ---

update p

set p.UnitPrice = p.UnitPrice\*1.1

from Products p join Suppliers s

on p.SupplierID = s.SupplierID

where s.CompanyName = 'Exotic Liquids'

--- 8 ---

update p

set p.UnitsInStock = 0, Discontinued = 1

from Products p join Suppliers s

on p.SupplierID = s.SupplierID

where s.CompanyName = 'Exotic Liquids'

--- 10 ---

sp\_help employees

DDL

--- 1 ---

create table employees\_k

( ID int identity(1,1) not null,

Name nvarchar(200) Not null,

Title nvarchar(100) null,

DeptID int not null,

Salary int null

)

--- 2 ---

insert into employees\_k

values

('Aviv Cohen', 'Clerk', 10, 4000)

--- 3 ---

insert into employees\_k (Name

,Title

,DeptID

,Salary)

values

('Miriam Levi', 'Sales manager', 20, 3750)

--- 4 ---

insert into employees\_k

values

('Alon Romni', 'Operation Manager', 30, NULL)

--- 5 ---

insert into employees\_k (name,

DeptID)

values

('Baruch Nave', 30)

/\* salary is NULL too \*/

--- 6 ---

INSERT employees\_k

OUTPUT INSERTED.\*

VALUES ('Danny Salomon', 'Sales representative', 10, 7000);

--- 7 ---

update employees\_k

set Salary = 4500

output inserted.\*, deleted.Salary AS Salary\_Old

where id = 2

--- 8 ---

update employees\_k

set Name = 'Ariel', DeptID = 20

output inserted.Name AS New\_name, deleted.Name AS old\_name,

inserted.DeptID AS new\_DeptID, deleted.DeptID AS old\_DeptID

where id = 4

--- 9 ---

update employees\_k

set DeptID = 10

where DeptID = 30

--- 10 ---

create table Myemployees

( ID int identity(1,1) not null,

Name nvarchar(200) Not null,

Title nvarchar(100) null,

DeptID int null,

Salary int null default 3750

)

insert into Myemployees (Name

,Title

,DeptID

)

output inserted.\*

select Name

,Title

,NULL

from employees\_k

where ID >5

--- 12 ---

CREATE TABLE dbo.CustomersTotals

(CustomerID nvarchar(10) NOT NULL,

LastOrderDate DATETIME NULL,

TotalSpent DECIMAL(8,2) NULL,

AvgSpent DECIMAL(8,2) NULL

)

--- 13 ---

--a

insert into CustomersTotals

select CustomerID, max(OrderDate), sum(UnitPrice \* Quantity \*(1- discount)), AVG(UnitPrice \* Quantity \*(1- discount))

from Orders O join [Order Details] OD

on o.OrderID = od.OrderID

group by CustomerID

--c

with cte

as

(select CustomerID, max(OrderDate) as LastOrderDate, sum(UnitPrice \* Quantity \*(1- discount)) as TotalSpent, AVG(UnitPrice \* Quantity \*(1- discount)) as AvgSpent

from Orders O join [Order Details] OD

on o.OrderID = od.OrderID

group by CustomerID

)

update ct

set ct.LastOrderDate = cte.LastOrderDate, ct.TotalSpent = cte.TotalSpent, ct.AvgSpent = cte.AvgSpent

from CustomersTotals ct join cte

on ct.customerID = cte.customerID

--d

select \*

into CustomersTotals\_backup

from CustomersTotals

--e

ALTER TABLE [Order Details]

drop CONSTRAINT [FK\_Order\_Details\_Orders]

ALTER TABLE [Order Details]

ADD CONSTRAINT [FK\_Order\_Details\_Orders]

FOREIGN KEY (orderID)

REFERENCES Orders (OrderID)

ON DELETE CASCADE

delete

from Orders

where CustomerID in ( 'ALFKI'

,'ANTON'

,'BERGS')

--f

delete ct

from Customers c left join Orders o

on c.CustomerID = o.CustomerID

left join CustomersTotals ct

on c.CustomerID = ct.CustomerID

where OrderID is NULL

delete c

from Customers c left join Orders o

on c.CustomerID = o.CustomerID

left join CustomersTotals ct

on c.CustomerID = ct.CustomerID

where OrderID is NULL