

```

use Northwind
go
/* 1 */
CREATE TABLE SalesInvoices(InvoiceID int identity not null,
                             InvoiceDate datetime not null,
                             OrderID int not null,
                             InvoiceTax money,
                             InvoiceSubTotal money,
                             InvoiceTotal money,
                             CONSTRAINT PK_Invoices PRIMARY
KEY(InvoiceID),
                             CONSTRAINT FK_InvoiceOrder FOREIGN
KEY(OrderID) REFERENCES Orders(OrderID),
                             CONSTRAINT CK_InvoiceTotal
CHECK(InvoiceTotal > 0))
GO
/* 2 */
INSERT INTO SalesInvoices SELECT
O.ShippedDate,O.OrderID,22*SUM(OD.quantity*OD.UnitPrice)/100,SUM(OD.quant
ity*OD.UnitPrice),

22*SUM(OD.quantity*OD.UnitPrice)/100+SUM(OD.quantity*OD.UnitPrice)
FROM Orders O, OrderDetails OD
WHERE O.OrderID = OD.OrderID and
O.ShippedDate is not null
GROUP BY O.ShippedDate,O.OrderID

/* 3 */
/* a */
SELECT C.CustomerID,C.CompanyName
FROM Customers C, Orders O
WHERE C.CustomerID = O.CustomerID
GROUP BY C.CustomerID,C.CompanyName
HAVING COUNT(DISTINCT(O.ShipVia)) = (SELECT COUNT(ShipperID)
FROM Shippers)

/* b */
SELECT DISTINCT S.*
FROM Shippers S, Orders O
WHERE S.ShipperID = O.ShipVia AND
O.OrderDate = (SELECT MAX(OrderDate)
FROM Orders)

```