**Assignment 11 - Chapter 6**

1. SELECT VendorName

FROM Vendors

WHERE VendorID IN

(SELECT VendorID FROM Invoices)

ORDER BY VendorName;

1. SELECT InvoiceNumber,

InvoiceTotal

FROM Invoices

WHERE PaymentTotal >

(SELECT AVG(PaymentTotal)

FROM Invoices

WHERE PaymentTotal <> 0);

1. SELECT InvoiceNumber,

InvoiceTotal

FROM Invoices

WHERE PaymentTotal > ALL

(SELECT TOP 50 PERCENT PaymentTotal

FROM Invoices

WHERE PaymentTotal <> 0

ORDER BY PaymentTotal);

1. SELECT AccountNo,

AccountDescription

FROM GLAccounts

WHERE NOT EXISTS

(SELECT \* FROM InvoiceLineItems

WHERE InvoiceLineItems.AccountNo = GLAccounts.AccountNo)

ORDER BY AccountNo;

1. SELECT VendorName,

Invoices.InvoiceID,

InvoiceSequence,

InvoiceLineItemAmount

FROM Vendors JOIN Invoices ON

Vendors.VendorID = Invoices.VendorID

JOIN InvoiceLineItems ON

Invoices.InvoiceID = InvoiceLineItems.InvoiceID

WHERE Invoices.InvoiceID IN

(SELECT InvoiceID

FROM InvoiceLineItems

WHERE InvoiceSequence > 1)

ORDER BY VendorName, Invoices.InvoiceID, InvoiceSequence;

1. SELECT SUM(InvoiceMax) AS InvoiceMaxSum

FROM (SELECT VendorID, MAX(InvoiceTotal) AS InvoiceMax

FROM Invoices

WHERE InvoiceTotal - CreditTotal - PaymentTotal > 0

GROUP BY VendorID) AS MaxInvoice;

1. SELECT VendorName,

VendorCity,

VendorState

FROM Vendors AS Vendors\_1

WHERE VendorCity + VendorState NOT IN

(SELECT VendorCity + VendorState

FROM Vendors AS Vendors\_2

WHERE Vendors\_2.VendorID <> Vendors\_1.VendorID)

ORDER BY VendorState, VendorCity;

1. SELECT VendorName,

InvoiceNumber AS FirstInv,

InvoiceDate,

InvoiceTotal

FROM Invoices AS Invoice\_Main JOIN Vendors ON

Invoice\_Main.VendorID = Vendors.VendorID

WHERE InvoiceDate =

(SELECT MIN(InvoiceDate)

FROM Invoices AS Invoice\_Sub

WHERE Invoice\_Sub.VendorID = Invoice\_Main.VendorID)

ORDER BY VendorName;

1. WITH MaxInvoice AS

(SELECT VendorID,

MAX(InvoiceTotal) AS InvoiceMax

FROM Invoices

WHERE InvoiceTotal - CreditTotal - PaymentTotal > 0

GROUP BY VendorID)

SELECT SUM(InvoiceMax) AS InvoiceMaxSum

FROM MaxInvoice;

**Chapter 8**

1. SELECT

CAST (InvoiceTotal AS decimal(10,2)) AS castDecimalTotal,

CAST (InvoiceTotal AS varchar) AS castVarcharTotal,

CONVERT (decimal(10,2), InvoiceTotal) AS convertDecimalTotal,

CONVERT (varchar, InvoiceTotal, 1) AS convertVarcharTotal\_1

FROM Invoices

1. SELECT

CAST (InvoiceDate AS varchar) AS castVarcharDate,

CONVERT (varchar, InvoiceDate, 1) AS convertVarcharDate\_1,

CONVERT (varchar, InvoiceDate, 10) AS convertVarcharDate\_10,

CAST (InvoiceDate AS real) AS castRealDate

FROM Invoices