**Assignment 12 - Chapter 9**

1. SELECT VendorContactFName + ' ' + LEFT(VendorContactLName, 1) + '.' AS Contact,

SUBSTRING(VendorPhone,7,8) AS PhoneNumber

FROM Vendors

WHERE LEFT(VendorPhone,4) = '(559'

ORDER BY Contact;

1. SELECT InvoiceNumber,

InvoiceTotal - CreditTotal - PaymentTotal AS Balance

FROM Invoices

WHERE InvoiceTotal - CreditTotal - PaymentTotal > 0 AND

InvoiceDueDate < GETDATE() + 30;

1. SELECT InvoiceNumber,

InvoiceTotal - CreditTotal - PaymentTotal AS Balance

FROM Invoices

WHERE InvoiceTotal - CreditTotal - PaymentTotal > 0 AND

InvoiceDueDate < CAST(CAST(YEAR(GETDATE()) AS char(4)) + '-' + CAST(MONTH(GETDATE()) + 1 AS char(2)) + '-01' AS datetime) - 1;

1. SELECT CASE

WHEN GROUPING(AccountDescription) = 1 THEN '\*ALL\*'

ELSE AccountDescription

END AS Account, CASE

WHEN GROUPING(VendorState) = 1 THEN '\*ALL\*'

ELSE VendorState

END AS State, SUM(InvoiceLineItemAmount) AS SumLineItems

FROM GLAccounts JOIN InvoiceLineItems ON

GLAccounts.AccountNo = InvoiceLineItems.AccountNo

JOIN Invoices ON

InvoiceLineItems.InvoiceID = Invoices.InvoiceID

JOIN Vendors ON

Invoices.VendorID = Vendors.VendorID

GROUP BY AccountDescription, VendorState WITH CUBE;

1. SELECT InvoiceNumber, InvoiceTotal - CreditTotal - PaymentTotal AS Balance,

RANK() OVER (ORDER BY InvoiceTotal - CreditTotal - PaymentTotal DESC) As BalanceRank

FROM Invoices

WHERE InvoiceTotal - CreditTotal - PaymentTotal > 0 AND

InvoiceDueDate < GETDATE() + 30;

**Assignment 12 - Chapter 13**

1. CREATE VIEW InvoiceBasic AS

SELECT VendorName, InvoiceNumber, InvoiceTotal

FROM Vendors JOIN Invoices ON

Vendors.VendorID = Invoices.VendorID;

SELECT \*

FROM InvoiceBasic

WHERE VendorName LIKE '[N-P]%'

ORDER BY VendorName;

1. CREATE VIEW Top10PaidInvoices AS

SELECT TOP 10 VendorName,

MAX(InvoiceDate) AS LastInvoice,

SUM(InvoiceTotal) AS SumOfInvoices

FROM Vendors JOIN Invoices ON Vendors.VendorID = Invoices.VendorID

WHERE InvoiceTotal - CreditTotal - PaymentTotal = 0

GROUP BY VendorName

ORDER BY SUM(InvoiceTotal) DESC;

1. CREATE VIEW VendorAddress AS

SELECT VendorID, VendorAddress1, VendorAddress2, VendorCity, VendorState,

VendorZipCode

FROM Vendors;

SELECT \*

FROM VendorAddress

WHERE VendorID = 4;

UPDATE VendorAddress

SET VendorAddress2 = 'Ste 260'

WHERE VendorID = 4;

1. SELECT \*

FROM sys.foreign\_keys;

(6 foreign keys)

1. SELECT TOP (100) PERCENT dbo.Vendors.VendorName, dbo.Invoices.InvoiceNumber, dbo.Invoices.InvoiceTotal

FROM dbo.Vendors INNER JOIN

dbo.Invoices ON dbo.Vendors.VendorID = dbo.Invoices.VendorID

ORDER BY dbo.Vendors.VendorName