**Chapter 3 - Exercises**

1. SELECT VendorContactFName, VendorContactLName, VendorName

FROM Vendors

ORDER BY VendorContactLName, VendorContactFName;

1. SELECT InvoiceNumber AS Number,

InvoiceTotal AS Total,

PaymentTotal + CreditTotal AS Credits,

InvoiceTotal - ( PaymentTotal + CreditTotal ) AS Balance

FROM Invoices;

1. SELECT VendorContactLName + ', ' + VendorContactFName AS [Full Name]

FROM Vendors

ORDER BY VendorContactLName, VendorContactFName;

1. SELECT InvoiceTotal,

ROUND((InvoiceTotal \* .10),2) AS [10%],

InvoiceTotal + ROUND((InvoiceTotal \* .10),2) AS [Plus 10%]

FROM Invoices

WHERE (InvoiceTotal - ( PaymentTotal + CreditTotal ) ) > 1000

ORDER BY [InvoiceTotal] DESC;

(I am not sure about the balance due and how to compute it, so I went based on the ‘balance’ View created in question number 2.)

1. SELECT InvoiceNumber AS Number,

InvoiceTotal AS Total,

PaymentTotal + CreditTotal AS Credits,

InvoiceTotal - ( PaymentTotal + CreditTotal ) AS Balance

FROM Invoices

WHERE InvoiceTotal >= 500 AND InvoiceTotal <= 10000;

1. SELECT VendorContactLName + ', ' + VendorContactFName AS [Full Name]

FROM Vendors

WHERE LEFT ( VendorContactLName, 1 ) IN ( 'A', 'B', 'C', 'E' )

ORDER BY VendorContactLName, VendorContactFName;

1. SELECT PaymentDate

FROM Invoices

WHERE (PaymentDate IS NULL AND PaymentTotal > 0)

OR (PaymentDate IS NOT NULL AND PaymentTotal = 0)

ORDER BY PaymentDate