**Assignment 8 - Chapter 6 from Murach’s - Exercises**

1. SELECT VendorID,

SUM (PaymentTotal) AS PaymentSum

FROM Invoices

GROUP BY VendorID

1. SELECT TOP 10 VendorName,

SUM(PaymentTotal) AS PaymentSum

FROM Invoices JOIN Vendors

ON Invoices.VendorID = Vendors.VendorID

GROUP BY VendorName

ORDER BY PaymentSum DESC

1. SELECT VendorName,

COUNT(InvoiceID) AS InvoiceCount,

SUM(InvoiceTotal) AS InvoiceSum

FROM Invoices JOIN Vendors

ON Invoices.VendorID = Vendors.VendorID

GROUP BY VendorName

ORDER BY InvoiceCount DESC

1. SELECT GLAccounts.AccountDescription,

COUNT(\*) AS LineItemCount,

SUM(InvoiceLineItemAmount) AS LineItemSum

FROM InvoiceLineItems JOIN GLAccounts

ON GLAccounts.AccountNo = InvoiceLineItems.AccountNo

GROUP BY GLAccounts.AccountDescription

HAVING COUNT(\*) > 1

ORDER BY LineItemCount DESC

1. SELECT GLAccounts.AccountDescription,

COUNT(\*) AS LineItemCount,

SUM(InvoiceLineItemAmount) AS LineItemSum

FROM InvoiceLineItems JOIN GLAccounts

ON GLAccounts.AccountNo = InvoiceLineItems.AccountNo

JOIN Invoices

ON InvoiceLineItems.InvoiceID = Invoices.InvoiceID

WHERE Invoices.InvoiceDate BETWEEN '2011-12-01' AND '2012-02-29'

GROUP BY GLAccounts.AccountDescription

ORDER BY LineItemCount DESC

1. SELECT Vendors.DefaultAccountNo,

SUM(InvoiceLineItems.InvoiceLineItemAmount) AS TotalAmount

FROM Vendors JOIN InvoiceLineItems

ON Vendors.DefaultAccountNo = InvoiceLineItems.AccountNo

GROUP BY Vendors.DefaultAccountNo WITH ROLLUP

1. SELECT Vendors.VendorName,

GLAccounts.AccountDescription,

COUNT(\*) AS LineItemCount,

SUM(InvoiceLineItemAmount) AS LineItemSum

FROM Vendors JOIN Invoices ON

Vendors.VendorID = Invoices.VendorID

JOIN InvoiceLineItems ON

Invoices.InvoiceID = InvoiceLineItems.InvoiceID

JOIN GLAccounts ON

InvoiceLineItems.AccountNo = GLAccounts.AccountNo

GROUP BY Vendors.VendorName, GLAccounts.AccountDescription

ORDER BY VendorName, AccountDescription

1. SELECT Vendors.VendorName,

COUNT (DISTINCT InvoiceLineItems.AccountNo) AS TotalAccounts

FROM Vendors JOIN Invoices ON

Vendors.VendorID = Invoices.VendorID

JOIN InvoiceLineItems ON

Invoices.InvoiceID = InvoiceLineItems.InvoiceID

GROUP BY Vendors.VendorName

HAVING COUNT (DISTINCT InvoiceLineItems.AccountNo) > 1

ORDER BY Vendors.VendorName

1. SELECT Vendors.VendorID,

Invoices.InvoiceDate,

Invoices.InvoiceTotal,

SUM(Invoices.InvoiceTotal) OVER (PARTITION BY Vendors.VendorID) AS VendorTotal,

COUNT(Invoices.InvoiceID) OVER (PARTITION BY Vendors.VendorID) AS VedorCount,

AVG(Invoices.InvoiceTotal) OVER (PARTITION BY Vendors.VendorID) AS VendorAvg

FROM Vendors JOIN Invoices ON

Vendors.VendorID = Invoices.VendorID

GROUP BY Vendors.VendorID, Invoices.InvoiceDate,

Invoices.InvoiceTotal, Invoices.InvoiceID