**Alphabetical List of Products**

**Access**

SELECT Products.\*   
                     ,Categories.CategoryName   
FROM Categories   
INNER JOIN Products   
ON Categories.CategoryID = Products.CategoryID   
WHERE Products.Discontinued = No

**SQL Server**

SELECT dbo.Products.ProductID   
                     ,dbo.Products.ProductName   
                     ,dbo.Products.SupplierID   
                     ,dbo.Products.CategoryID   
                     ,dbo.Products.QuantityPerUnit   
                     ,dbo.Products.UnitPrice   
                     ,dbo.Products.UnitsInStock   
                     ,dbo.Products.UnitsOnOrder   
                     ,dbo.Products.ReorderLevel   
                     ,dbo.Products.Discontinued   
                     ,dbo.Categories.CategoryName   
FROM dbo.Categories   
INNER JOIN dbo.Products   
ON dbo.Categories.CategoryID = dbo.Products.CategoryID   
WHERE dbo.Products.Discontinued = 0

**Category Sales for 1997**

**Access**

SELECT DISTINCTROW [Product Sales for 1997].CategoryName   
      ,SUM([Product Sales for 1997].ProductSales) AS CategorySales   
FROM [Product Sales for 1997]   
GROUP BY [Product Sales for 1997].CategoryName

**SQL Server**

SELECT CategoryName   
      ,SUM(ProductSales) AS CategorySales   
FROM dbo.[Product Sales for 1997]   
GROUP BY CategoryName

**Current Product List**

**Access**

SELECT [Product List].ProductID   
      ,[Product List].ProductName   
FROM Products AS [Product List]   
WHERE [Product List].Discontinued = No   
ORDER BY [Product List].ProductName

**SQL Server**

SELECT ProductID   
      ,ProductName   
FROM dbo.Products AS Product\_List   
WHERE (Discontinued = 0)

**Customer and Suppliers by City**

**Access**

SELECT City   
      ,CompanyName   
      ,ContactName   
      ,"Customers" AS [Relationship]   
FROM Customers   
UNION SELECT City   
      ,CompanyName   
      ,ContactName   
      ,"Suppliers"   
FROM Suppliers   
ORDER BY City,   
      CompanyName;

**SQL Server**

SELECT City   
      ,CompanyName   
      ,ContactName   
      ,'Customers' AS Relationship   
FROM dbo.Customers   
UNION   
SELECT City   
      ,CompanyName   
      ,ContactName   
 ',Suppliers' AS Expr1  
FROM dbo.Suppliers

**Employee Sales by Country**

**Access**

PARAMETERS [Beginning Date] DateTime, [Ending Date] DateTime   
SELECT DISTINCTROW Employees.Country   
      ,Employees.LastName   
      ,Employees.FirstName   
      ,Orders.ShippedDate   
      ,Orders.OrderID   
      ,[Order Subtotals].Subtotal AS SaleAmount   
FROM Employees   
INNER JOIN (Orders   
INNER JOIN [Order Subtotals]   
ON Orders.OrderID = [Order Subtotals].OrderID)   
ON Employees.EmployeeID = Orders.EmployeeID   
WHERE (Orders.ShippedDate) BETWEEN [Beginning Date] AND [Ending Date])

**SQL Server**

not provided in SQL Server

**Invoices**

**Access**

CCur is not available in SQL Server

SELECT Orders.ShipName   
      ,Orders.ShipAddress   
      ,Orders.ShipCity   
      ,Orders.ShipRegion   
      ,Orders.ShipPostalCode   
      ,Orders.ShipCountry   
      ,Orders.CustomerID   
      ,Customers.CompanyName   
      ,Customers.Address   
      ,Customers.City   
      ,Customers.Region   
      ,Customers.PostalCode   
      ,Customers.Country   
      ,[FirstName] & " " & [LastName] AS Salesperson   
      ,Orders.OrderID   
      ,Orders.OrderDate   
      ,Orders.RequiredDate   
      ,Orders.ShippedDate   
      ,Shippers.CompanyName   
      ,[Order Details].ProductID   
      ,Products.ProductName   
      ,[Order Details].UnitPrice   
      ,[Order Details].Quantity   
      ,[Order Details].Discount   
      ,CCur([Order Details].UnitPrice \* [Quantity] \* (1 - [Discount]) / 100) \* 100 AS ExtendedPrice   
      ,Orders.Freight   
FROM SHIPPERS   
INNER JOIN (PRODUCTS   
 INNER JOIN (   
        (EMPLOYEES   
  INNER JOIN (CUSTOMERS   
   INNER JOIN ORDERS   
   ON Customers.CustomerID = Orders.CustomerID)   
  ON Employees.EmployeeID = Orders.EmployeeID)   
  INNER JOIN [Order Details]   
  ON Orders.OrderID = [Order Details].OrderID)   
 ON Products.ProductID = [Order Details].ProductID   
)   
ON Shippers.ShipperID = Orders.ShipVia

**SQL Server**

SELECT dbo.Orders.ShipName   
      ,dbo.Orders.ShipAddress   
      ,dbo.Orders.ShipCity   
      ,dbo.Orders.ShipRegion   
      ,dbo.Orders.ShipPostalCode   
      ,dbo.Orders.ShipCountry   
      ,dbo.Orders.CustomerID   
      ,dbo.Customers.CompanyName AS CustomerName   
      ,dbo.Customers.Address   
      ,dbo.Customers.City   
      ,dbo.Customers.Region   
      ,dbo.Customers.PostalCode   
      ,dbo.Customers.Country   
      ,dbo.Employees.FirstName + ' ' + dbo.Employees.LastName AS Salesperson   
      ,dbo.Orders.OrderID   
      ,dbo.Orders.OrderDate   
      ,dbo.Orders.RequiredDate   
      ,dbo.Orders.ShippedDate   
      ,dbo.Shippers.CompanyName AS ShipperName   
      ,dbo.[Order Details].ProductID   
      ,dbo.Products.ProductName   
      ,dbo.[Order Details].UnitPrice   
      ,dbo.[Order Details].Quantity   
      ,dbo.[Order Details].Discount   
      ,CONVERT(money, (dbo.[Order Details].UnitPrice \* dbo.[Order Details].Quantity) \* (1 - dbo.[Order Details].Discount) / 100) \* 100 AS ExtendedPrice   
      ,dbo.Orders.Freight   
FROM dbo.SHIPPERS   
INNER JOIN dbo.PRODUCTS   
INNER JOIN dbo.EMPLOYEES   
INNER JOIN dbo.CUSTOMERS   
INNER JOIN dbo.ORDERS   
ON dbo.Customers.CustomerID = dbo.Orders.CustomerID   
ON dbo.Employees.EmployeeID = dbo.Orders.EmployeeID   
INNER JOIN dbo.[Order Details]   
ON dbo.Orders.OrderID = dbo.[Order Details].OrderID   
ON dbo.Products.ProductID = dbo.[Order Details].ProductID   
ON dbo.Shippers.ShipperID = dbo.Orders.ShipVia

**Invoices Filter**

**Access**

SELECT Invoices.\*   
FROM INVOICES   
WHERE (Invoices.OrderID)=[Forms]![Orders]![OrderID])

**SQL Server**

not provided in SQL Server

**Order Details Extended**

**Access**

CCur is not available in SQL Server

SELECT [Order Details].OrderID   
      ,[Order Details].ProductID   
      ,Products.ProductName   
      ,[Order Details].UnitPrice   
      ,[Order Details].Quantity   
      ,[Order Details].Discount   
      ,CCur([Order Details].UnitPrice \* [Quantity] \* (1 - [Discount]) / 100) \* 100 AS ExtendedPrice   
FROM Products   
INNER JOIN [Order Details]   
ON Products.ProductID = [Order Details].ProductID   
ORDER BY [Order Details].OrderID

**SQL Server**

SELECT dbo.[Order Details].OrderID D   
      ,dbo.[Order Details].ProductID   
      ,dbo.Products.ProductName   
      ,dbo.[Order Details].UnitPrice   
      ,dbo.[Order Details].Quantity   
      ,dbo.[Order Details].Discount   
      ,CONVERT(money, (dbo.[Order Details].UnitPrice \* dbo.[Order Details].Quantity) \* (1 - dbo.[Order Details].Discount) / 100) \* 100 AS ExtendedPrice   
FROM dbo.Products   
INNER JOIN dbo.[Order Details]   
ON dbo.Products.ProductID = dbo.[Order Details].ProductID

**Order Subtotals**

**Access**

SELECT [Order Details].OrderID,   
      SUM(CCur([UnitPrice] \* [Quantity] \* (1 - [Discount]) / 100) \* 100) AS Subtotal   
FROM [Order Details]   
GROUP BY [Order Details].OrderID;

**SQL Server**

SELECT OrderID,   
      SUM(CONVERT(money, (UnitPrice \* Quantity) \* (1 - Discount) / 100) \* 100) AS Subtotal   
FROM dbo.[Order Details]   
GROUP BY OrderID

**Order Qry**

**Access**

SELECT Orders.OrderID   
      ,Orders.CustomerID   
      ,Orders.EmployeeID   
      ,Orders.OrderDate   
      ,Orders.RequiredDate   
      ,Orders.ShippedDate   
      ,Orders.ShipVia   
      ,Orders.Freight   
      ,Orders.ShipName   
      ,Orders.ShipAddress   
      ,Orders.ShipCity   
      ,Orders.ShipRegion   
      ,Orders.ShipPostalCode   
      ,Orders.ShipCountry   
      ,Customers.CompanyName   
      ,Customers.Address   
      ,Customers.City   
      ,Customers.Region   
      ,Customers.PostalCode   
      ,Customers.Country   
FROM CUSTOMERS   
INNER JOIN ORDERS   
ON Customers.CustomerID = Orders.CustomerID;

**SQL Server**

SELECT dbo.Orders.OrderID   
      ,dbo.Orders.CustomerID   
      ,dbo.Orders.EmployeeID   
      ,dbo.Orders.OrderDate   
      ,dbo.Orders.RequiredDate   
      ,dbo.Orders.ShippedDate   
      ,dbo.Orders.ShipVia   
      ,dbo.Orders.Freight   
      ,dbo.Orders.ShipName   
      ,dbo.Orders.ShipAddress   
      ,dbo.Orders.ShipCity   
      ,dbo.Orders.ShipRegion   
      ,dbo.Orders.ShipPostalCode   
      ,dbo.Orders.ShipCountry   
      ,dbo.Customers.CompanyName   
      ,dbo.Customers.Address   
      ,dbo.Customers.City   
      ,dbo.Customers.Region   
      ,dbo.Customers.PostalCode   
      ,dbo.Customers.Country   
FROM dbo.Customers   
INNER JOIN dbo.Orders   
ON dbo.Customers.CustomerID = dbo.Orders.CustomerID

**Product Sales for 1997**

**Access**

SELECT Categories.CategoryName   
      ,Products.ProductName   
      ,SUM(CCur([Order Details].UnitPrice\*[Quantity]\*(1-[Discount])/100)\*100) AS ProductSales, "Qtr " & DatePart("q",[ShippedDate]) AS ShippedQuarter   
FROM (Categories   
INNER JOIN Products   
ON Categories.CategoryID=Products.CategoryID)   
INNER JOIN (Orders   
INNER JOIN [Order Details]   
ON Orders.OrderID=[Order Details].OrderID)   
ON Products.ProductID=[Order Details].ProductID   
WHERE Orders.ShippedDate BETWEEN #1/1/1997# AND #12/31/1997#   
GROUP BY Categories.CategoryName,   
      Products.ProductName, "Qtr " & DATEPART("q",[ShippedDate]);

**SQL Server**

SELECT dbo.Categories.CategoryName   
      ,dbo.Products.ProductName   
      ,SUM(CONVERT(money, (dbo.[Order Details].UnitPrice \* dbo.[Order Details].Quantity) \* (1 - dbo.[Order Details].Discount) / 100) \* 100) AS ProductSales   
FROM dbo.Categories   
INNER JOIN dbo.Products   
ON dbo.Categories.CategoryID = dbo.Products.CategoryID   
INNER JOIN dbo.Orders   
INNER JOIN dbo.[Order Details]   
ON dbo.Orders.OrderID = dbo.[Order Details].OrderID   
ON dbo.Products.ProductID = dbo.[Order Details].ProductID   
WHERE dbo.Orders.ShippedDate BETWEEN '19970101' AND '19971231'   
GROUP BY dbo.Categories.CategoryName   
      ,dbo.Products.ProductName

**Products Above Average Price**

**Access**

SELECT Products.ProductName   
      ,Products.UnitPrice   
FROM Products   
WHERE (Products.UnitPrice) >   
      ( SELECT AVG([UnitPrice])   
       From Products   
      )   
ORDER BY Products.UnitPrice DESC

**SQL Server**

SELECT ProductName   
      ,UnitPrice   
FROM dbo.Products   
WHERE (UnitPrice >   
      (   
       SELECT AVG(UnitPrice) AS Expr1   
       FROM dbo.Products)   
      )

**Products by Category**

**Access**

SELECT Categories.CategoryName   
      ,Products.ProductName   
      ,Products.QuantityPerUnit   
      ,Products.UnitsInStock   
      ,Products.Discontinued   
FROM Categories   
INNER JOIN Products   
ON Categories.CategoryID = Products.CategoryID   
WHERE ((Products.Discontinued) <> Yes)   
ORDER BY Categories.CategoryName,   
      Products.ProductName

**SQL Server**

SELECT dbo.Categories.CategoryName   
      ,dbo.Products.ProductName   
      ,dbo.Products.QuantityPerUnit   
      ,dbo.Products.UnitsInStock   
      ,dbo.Products.Discontinued   
FROM dbo.Categories   
INNER JOIN dbo.Products   
ON dbo.Categories.CategoryID = dbo.Products.CategoryID   
WHERE (dbo.Products.Discontinued <> 1)

**Quarterly Orders**

**Access**

SELECT DISTINCT Customers.CustomerID   
      ,Customers.CompanyName   
      ,Customers.City   
      ,Customers.Country   
FROM [Customers]   
RIGHT JOIN Orders   
ON Customers.CustomerID = Orders.CustomerID   
WHERE Orders.OrderDate Between #1/1/1997# And #12/31/1997#

**SQL Server**

SELECT DISTINCT dbo.[Customers].CustomerID   
      ,dbo.[Customers].CompanyName   
      ,dbo.[Customers].City   
      ,dbo.[Customers].Country   
FROM dbo.[Customers]   
RIGHT OUTER JOIN dbo.[Orders]   
ON dbo.[Customers].CustomerID = dbo.[Orders].CustomerID   
WHERE dbo.[Orders].OrderDate BETWEEN '19970101' AND '19971231'

**Quarterly Orders By Product**

**Access**

TRANSFORM SUM(CCur([Order Details].UnitPrice \* [Quantity] \* (1 - [Discount]) / 100) \* 100) AS ProductAmount   
SELECT Products.ProductName   
      ,Orders.CustomerID   
      ,YEAR([OrderDate]) AS OrderYear   
FROM [Products]   
INNER JOIN (Orders   
INNER JOIN [Order Details]   
ON Orders.OrderID = [Order Details].OrderID)   
ON Products.ProductID = [Order Details].ProductID   
WHERE Orders.OrderDate BETWEEN #1/1/1997# AND #12/31/1997#   
GROUP BY Products.ProductName,   
      Orders.CustomerID,   
      YEAR([OrderDate])   
      PIVOT "Qtr " & DATEPART("q",[OrderDate],1,0) In ("Qtr 1","Qtr 2","Qtr 3","Qtr 4")

**SQL Server**

not provided in SQL Server

**Sales by Category**

**Access**

SELECT Categories.CategoryID   
      ,Categories.CategoryName   
      ,Products.ProductName   
      ,SUM([Order Details Extended].ExtendedPrice) AS ProductSales   
FROM Categories   
INNER JOIN (Products   
INNER JOIN (Orders   
INNER JOIN [Order Details Extended]   
ON Orders.OrderID = [Order Details Extended].OrderID)   
ON Products.ProductID = [Order Details Extended].ProductID)   
ON Categories.CategoryID = Products.CategoryID   
WHERE Orders.OrderDate BETWEEN '1/1/1997' AND '12/31/1997'   
--WHERE Orders.OrderDate BETWEEN #1/1/1997# AND #12/31/1997# - hashes don't work in SQL Server   
GROUP BY Categories.CategoryID,   
      Categories.CategoryName,   
      Products.ProductName   
ORDER BY Categories.CategoryName

**SQL Server**

SELECT dbo.Categories.CategoryID   
      ,dbo.Categories.CategoryName   
      ,dbo.Products.ProductName   
      ,SUM(dbo.[Order Details Extended].ExtendedPrice) AS ProductSales   
FROM dbo.Categories   
INNER JOIN dbo.Products   
INNER JOIN dbo.Orders   
INNER JOIN dbo.[Order Details Extended]   
ON dbo.Orders.OrderID = dbo.[Order Details Extended].OrderID   
ON dbo.Products.ProductID = dbo.[Order Details Extended].ProductID   
ON dbo.Categories.CategoryID = dbo.Products.CategoryID   
WHERE dbo.Orders.OrderDate BETWEEN '19970101' AND '19971231'   
GROUP BY dbo.Categories.CategoryID, dbo.Categories.CategoryName, dbo.Products.ProductName

**Sales by Year**

**Access**

PARAMETERS [Forms]![Sales by Year Dialog]![BeginningDate] DATETIME,   
      [Forms]![Sales by Year Dialog]![EndingDate] DATETIME;   
SELECT Orders.ShippedDate,   
      ,Orders.OrderID   
      ,[Order Subtotals].Subtotal   
      ,FORMAT([ShippedDate],"yyyy") AS [Year]   
FROM ORDERS   
INNER JOIN [ORDER SUBTOTALS]   
ON Orders.OrderID = [Order Subtotals].OrderID   
WHERE (   
       (   
        (Orders.ShippedDate) IS NOT NULL   
       AND (Orders.ShippedDate) BETWEEN [Forms]![Sales by Year Dialog]![BeginningDate] AND [Forms]![Sales by Year Dialog]![EndingDate]   
       )   
      )

**SQL Server**

not provided in SQL Server

**Sales Totals by Amount**

**Access**

not provided in Access

**SQL Server**

SELECT dbo.[Order Subtotals].Subtotal AS SaleAmount   
      ,dbo.Orders.OrderID   
      ,dbo.Customers.CompanyName   
      ,dbo.Orders.ShippedDate   
FROM dbo.Customers   
INNER JOIN dbo.Orders   
INNER JOIN dbo.[Order Subtotals]   
ON dbo.Orders.OrderID = dbo.[Order Subtotals].OrderID   
ON dbo.Customers.CustomerID = dbo.Orders.CustomerID   
WHERE dbo.[Order Subtotals].Subtotal > 2500   
AND dbo.Orders.ShippedDate BETWEEN '19970101' AND '19971231'

**Summary of Sale by Quarter**

**Access**

not provided in Access

**SQL Server**

SELECT dbo.Orders.ShippedDate   
      ,dbo.Orders.OrderID   
      ,dbo.[Order Subtotals].Subtotal   
FROM dbo.Orders   
INNER JOIN dbo.[Order Subtotals]   
ON dbo.Orders.OrderID = dbo.[Order Subtotals].OrderID   
WHERE dbo.Orders.ShippedDate IS NOT NULL

**Summary of Sales by Year**

**Access**

not provided in Access

**SQL Server**

SELECT dbo.[ORDERS].ShippedDate   
      ,dbo.[ORDERS].OrderID   
      ,dbo.[Order Subtotals].Subtotal   
FROM dbo.[ORDERS]   
INNER JOIN dbo.[ORDER SUBTOTALS]   
ON dbo.[ORDERS].OrderID = dbo.[ORDER SUBTOTALS].OrderID   
WHERE dbo.[ORDERS].ShippedDate IS NOT NULL

**Ten Most Expensive Products**

**Access**

SELECT TOP 10 Products.ProductName AS TenMostExpensiveProducts,   
      Products.UnitPrice   
FROM Products   
ORDER BY Products.UnitPrice DESC