List the order details where the quantity is between 65 and 70. Display the order id and quantity from the OrderDetails table, the product id and reorder level from the Products table, and the supplier id from the Suppliers table. Order the result set by the order id.

-- B1

SELECT od.OrderID,

od.Quantity,

p.ProductID,

p.ReorderLevel,

s.SupplierID

FROM OrderDetails od

INNER JOIN Products p ON od.ProductID = p.ProductID

INNER JOIN Suppliers s ON p.SupplierID = s.SupplierID

WHERE od.Quantity BETWEEN 65 AND 70

ORDER BY od.OrderID

List the product id, product name, English name, and unit price from the Products table where the unit price is less than $8.00. Order the result set by the product id.

-- B2

SELECT ProductID,

ProductName,

EnglishName,

UnitPrice

FROM Products

WHERE UnitPrice < 8

ORDER BY ProductID

List the customer id, company name, country, and phone from the Customers table where the country is equal to Canada or USA. Order the result set by the customer id.

-- B3

SELECT CustomerID,

CompanyName,

Country,

Phone

FROM Customers

WHERE Country IN ('Canada', 'USA')

ORDER BY CustomerID

List the products where the reorder level is equal to the units in stock. Display the supplier id and supplier name from the Suppliers table, the product name, reorder level, and units in stock from the Products table. Order the result set by the supplier id.

-- B4

SELECT s.SupplierID,

s.Name,

p.ProductName,

p.ReorderLevel,

p.UnitsInStock

FROM Suppliers s

INNER JOIN Products p ON s.SupplierID = p.SupplierID

WHERE p.ReorderLevel = p.UnitsInStock

ORDER BY s.SupplierID

List the orders where the shipped date is greater than or equal to 1st of Jan 1994, and calculate the length in years from the shipped date to 1st of Jan 2009. Display the order id, and the shipped date from the Orders table, the company name, and the contact name from the Customers table, and the calculated length in years for each order. Display the shipped date in the format MMM DD YYYY. Order the result set by order id and the calculated years.

-- B5

SELECT o.OrderID AS OrderID,

c.CompanyName AS CompanyName,

c.ContactName AS ContactName,

CONVERT(CHAR(12),o.ShippedDate,107) AS ShippedDate,

DATEDIFF(YEAR,o.ShippedDate,'Jan 1 2009') AS ElapsedYears

FROM Orders o

INNER JOIN Customers c ON o.CustomerID = c.CustomerID

WHERE o.ShippedDate >= 'Jan 1 1994'

ORDER BY o.OrderID, ElapsedYears

List all the order where the order date is between 1st of Jan and 30th of Mar 1992, and the cost of the order is greater than or equal to $1500.00. Display the order id, order date, and a new shipped date calculated by adding 10 days to the shipped date from the Orders table, the product name from the Products table, the company name from the Customer table, and the cost of the order. Format the date order date and the shipped date as MON DD YYYY. Use the formula (OrderDetails.Quantity \* Products.UnitPrice) to calculate the cost of the order. Order the result set by order id.

-- B6

SELECT o.OrderID AS OrderID,

p.ProductName AS ProductName,

c.CompanyName AS CompanyName,

CONVERT(CHAR(12),o.OrderDate,107) AS OrderDate,

CONVERT(CHAR(12),DATEADD(DAY,10,o.ShippedDate),107) AS NewShippedDate,

(od.Quantity \* p.UnitPrice) AS OrderCost

FROM Orders o

INNER JOIN OrderDetails od ON o.OrderID = od.OrderID

INNER JOIN Products p ON od.ProductID = p.ProductID

INNER JOIN Customers c ON o.CustomerID = c.CustomerID

WHERE (o.OrderDate BETWEEN 'Jan 1 1992' AND 'Mar 30 1992') AND

(od.Quantity \* p.UnitPrice) >= 1500

ORDER BY o.OrderID

List all the orders with a shipping city of Vancouver. Display the order from the Orders table, and the unit price and quantity from the OrderDetails table. Order the result set by the order id.

-- B7

SELECT o.OrderID,

od.UnitPrice,

od.Quantity

FROM Orders o

INNER JOIN OrderDetails od ON o.OrderID = od.OrderID

WHERE o.ShipCity = 'Vancouver'

ORDER BY o.OrderID

List all the orders that have not been shipped (shipped date is null). Display the customer id, company name and fax number from the Customers table, and the order id and order date from the Orders table. Order the result set by the customer id and order date.

-- B8

SELECT c.CustomerID,

c.CompanyName,

c.Fax,

o.OrderID,

o.OrderDate

FROM Customers c

INNER JOIN Orders o ON c.CustomerID = o.CustomerID

WHERE o.ShippedDate IS NULL

ORDER BY c.CustomerID,

o.OrderDate

List the products which contain choc or tofu in their name. Display the product id, product name, quantity per unit and unit price from the Products table. Order the result set by product id.

-- B9

SELECT ProductID,

ProductName,

QuantityPerUnit,

UnitPrice

FROM Products

WHERE ProductName LIKE '%choc%' OR

ProductName LIKE '%tofu%'

ORDER BY ProductID

List the number of products and their names beginning with each letter of the alphabet. Only display the letter and count if there are at least three product names begin with the letter. The query should produce the result set listed below.

-- B10

SELECT SUBSTRING(ProductName,1,1) AS ProductName,

COUNT(\*) AS Total

FROM Products

GROUP BY SUBSTRING(ProductName,1,1)

HAVING COUNT(\*) >= 3