

## COMP 1630 – Saturday Morning

### Term Project B

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-- B.1:

```
SELECT    o.OrderID,
          o.Quantity,
          p.ProductID,
          p.ReorderLevel,
          s.SupplierID
FROM      OrderDetails o
JOIN      Products  p ON o.ProductID = p.ProductID
JOIN      Suppliers s ON p.SupplierID = s.SupplierID
WHERE     o.Quantity BETWEEN 65 AND 70
ORDER BY  o.orderID
```

-- B.2:

```
SELECT    ProductId,
          ProductName,
          EnglishName,
          UnitPrice
FROM      Products
WHERE     UnitPrice < 8
ORDER BY  ProductID
```

**-- B.3:**

```
SELECT      CustomerID,
            CompanyName,
            Country,
            Phone
FROM        Customers
WHERE       Country IN ( 'Canada', 'USA' )
ORDER BY   CustomerID
```

**-- B.4:**

```
SELECT      s.SupplierID,
            s.Name,
            p.ProductName,
            p.ReorderLevel,
            p.UnitsInStock
FROM        Suppliers s
JOIN        Products p ON s.supplierID = p.supplierID
WHERE       p.ReorderLevel = p.UnitsInStock
ORDER BY   s.supplierID
```

**-- B.5:**

```
SELECT      o.OrderID,
            c.CompanyName,
            c.ContactName,
            CONVERT(CHAR(12), o.ShippedDate, 109) AS ShippedDate,
            DATEDIFF(YEAR, o.ShippedDate, 'Jan 1 2009') AS ElapsedYears
FROM        Orders o
JOIN        Customers c ON o.CustomerID = c.CustomerID
WHERE       o.ShippedDate >= 'Jan 1 1994'
ORDER BY   o.OrderID,
            ElapsedYears
```

**-- B.6:**

```
SELECT      o.OrderID,
            p.ProductName,
            c.CompanyName,
            CONVERT(CHAR(12), o.OrderDate, 109)      AS OrderDate,
            CONVERT(CHAR(12), DATEADD(DAY, 10, o.ShippedDate), 109) AS NewShippedDate,
            (od.Quantity * p.UnitPrice)              AS OrderCost
FROM        Orders o
JOIN        Customers c      ON o.CustomerID      = c.CustomerID
JOIN        OrderDetails od  ON o.OrderID         = od.OrderID
JOIN        Products p      ON od.ProductID      = p.ProductID
WHERE       (o.OrderDate BETWEEN 'Jan 1 1992' AND '30 Mar 1992')
AND         (od.Quantity * p.UnitPrice) >= 1500.00
ORDER BY   o.OrderID
```

**-- B.7:**

```
SELECT      o.OrderID,
            od.UnitPrice,
            od.Quantity
FROM        Orders o
JOIN        OrderDetails od ON o.OrderID          = od.OrderID
WHERE       o.ShipCity      = 'Vancouver'
ORDER BY   o.OrderID
```

**-- B.8:**

```
SELECT      c.CustomerID,
            c.CompanyName,
            c.Fax,
            o.OrderID,
            o.OrderDate
FROM        Customers c
JOIN        Orders o  ON c.CustomerID = o.CustomerID
WHERE       o.ShippedDate is NULL
ORDER BY   c.CustomerID,
            o.OrderDate
```

-- B.9:

```
SELECT      ProductID,  
            ProductName,  
            QuantityPerUnit,  
            UnitPrice  
FROM        Products  
WHERE       (ProductName LIKE '%choc%' OR ProductName LIKE '%tofu%')  
ORDER BY   ProductID
```

-- B.10:

```
SELECT      SUBSTRING(ProductName,1,1) AS ProductName,  
            COUNT(ProductName)        AS Title  
FROM        Products  
WHERE       ProductName LIKE '[A-Z]%'  
GROUP BY   SUBSTRING(ProductName,1,1)  
HAVING      COUNT(ProductName) >= 3
```

**Thank you for everything you have done for us**