Derived Tables Lab Problems

1) Will the following query execute properly? Why or why not?

2) Will the following query execute properly? Why or why not?

- 3) Using a derived table so that no functions will appear in the WHERE clause, find all employees from the HumanResources. Employee table who were hired in the year 2006 or greater and who were born in the year 1968 or less.
- 4) Using a derived table, find the total sales revenue generated for the year 2005 and 2006. The WHERE and GROUP BY clause of your SELECT statement should have no functions.

Using Derived Tables Lab Answers

Question 1:

The query will not execute because a required condition of a table expression is that each column must have a name specified. The "YEAR(HireDate)" column does not have an alias specified, therefore the table expression cannot be evaluated and the query will fail.

Question 2:

This query will execute without an issue. ORDER BY clauses are not allowed in table expressions **unless** the TOP operator is used within the expression. Since the TOP operator is included in this table expression the ORDER BY clause is allowed.

Question 3:

Question 4:

```
SELECT
OrderYear,
SUM(TotalDue) AS TotalSales

FROM (
SELECT *, YEAR(OrderDate) AS OrderYear
FROM Sales.SalesOrderHeader
) AS SalesOrders

WHERE OrderYear IN (2005, 2006)

GROUP BY OrderYear
```