

## Redgate Community Circle SSRS Class Week 5 Assignment

Practice all the techniques and features shown in the video. Here are the queries you will need:

```
SELECT ProductID, Name, Color, Size, ListPrice, *
```

```
FROM Production.Product
```

```
WHERE FinishedGoodsFlag = 1;
```

```
SELECT SOH.SalesOrderID, SOH.OrderDate,
```

```
       SOD.OrderQty, SOD.UnitPrice, P.ListPrice,
```

```
       P.ProductID, P.Name, P.Color
```

```
FROM Sales.SalesOrderDetail AS SOD
```

```
JOIN Sales.SalesOrderHeader AS SOH ON SOD.SalesOrderID = SOH.SalesOrderID
```

```
JOIN Production.Product AS P ON SOD.ProductID = P.ProductID;
```

1. Report header and footer with built-in fields ExecutionTime, Pages, and ReportName
2. Add a tool tip to the Report Name text box
3. Alternating detail rows with this formula:

```
=IIF(ROWNUMBER(NOTHING) MOD 2, "LIGHTBLUE","WHITE")
```

4. Change the color of the OrderQty cell font with this formula:

```
=IIf(Fields!OrderQty.Value < 2, "Red", "Black")
```

5. Add a parameter to the query so that the user can filter by Month. Add a default parameter based on the current month.

```
=Month(Today())
```

6. Instead of using the color change in #3, use a reusable code function with this function:

```
Public Function GetColor(ByVal Amount as Double) as String
    Dim Color as String
    If Amount >= 5 then
        Color = "DarkGreen"
    ElseIf Amount >= 2 then
        Color = "Gray"
    Else
        Color = "Red"
    End If
    Return Color
End Function
```

7. Set up a variable for the report called CompanyName.
8. Add a calculated field called ExtendedPrice.
9. Add interactive sorting
10. Add a new calculated field for order year. Add a grouping level for OrderYear.

11. Add collapsing sections based on OrderYear
12. Create a report for ProductList. Add a ProductID parameter to the sales. Add a click-through action from the product list to the sales.
13. Create a copy of ProductList. Instead of a click through, add a SubReport.