

-- Lab 2 Solutions

USE AdventureWorks2008R2

-- 2.1

```
Select BusinessEntityID AS SalesPersonID , oh.SalesOrderID, CAST (oh.OrderDate AS
date) AS OrderDate, ROUND(oh.TotalDue,2) as TotalDue
FROM Sales.SalesPerson
Inner join Sales.SalesOrderHeader oh
ON BusinessEntityID = oh.SalesPersonID
WHERE BusinessEntityID IN ('276','277') AND oh.TotalDue > 10000
```

-- 2.2

```
SELECT sp.TerritoryID, COUNT(oh.SalesOrderID) as "Total Order", ROUND (SUM
(oh.TotalDue),2) AS "Total Sales Amount"
FROM Sales.SalesPerson sp
INNER JOIN Sales.SalesOrderHeader oh
ON oh.TerritoryID = sp.TerritoryID
GROUP BY sp.TerritoryID
HAVING COUNT(oh.SalesOrderID) > 3500
ORDER BY sp.TerritoryID
```

-- 2.3

```
SELECT pd.ProductID as "ID of Product", pd.Name as "Name of Product", pd.ListPrice
as "Listed Price of Product",
CAST (pd.SellStartDate as date) as "Date the product was available for sale"
FROM Production.Product as pd
WHERE pd.ListPrice > (SELECT MAX(prd.ListPrice)-1000 FROM Production.Product as
prd)
ORDER BY pd.ListPrice DESC
```

--2.4

```
SELECT prd.ProductID as "Id of Product", prd.Name as "Name of the Product" , SUM
(od.OrderQty) as "Total Quantities Sold"
FROM Production.Product as prd
INNER JOIN Sales.SalesOrderDetail as od
ON prd.ProductID = od.ProductID
GROUP BY prd.ProductID, prd.Name, prd.Color
HAVING SUM(od.OrderQty) > 3000 AND prd.Color = 'Black'
ORDER BY SUM(od.OrderQty) DESC
```

--2.5

```
SELECT
CAST(oh.OrderDate as date) as "date", SUM(od.OrderQty) as "total product quantity
sold for the date"
FROM Sales.SalesOrderHeader oh
INNER JOIN Sales.SalesOrderDetail od
ON od.SalesOrderID = oh.SalesOrderID
INNER JOIN Production.Product prd
ON prd.ProductID = od.ProductID
WHERE prd.Color <> 'RED' AND od.OrderQty > 0
GROUP BY oh.OrderDate
ORDER BY SUM(od.OrderQty) DESC;
```

--2.6

```
SELECT cust.CustomerID as "Customer ID", pn.LastName as "Last Name", pn.FirstName  
"First Name",  
SUM(soh.TotalDue) as "Overall purchase",  
MAX(soh.TotalDue) as "Highest Annual purchase"  
FROM Sales.Customer cust  
INNER JOIN Sales.SalesOrderHeader soh  
ON soh.CustomerID = cust.CustomerID  
INNER JOIN Person.Person pn  
ON pn.BusinessEntityID = cust.PersonID  
GROUP BY cust.CustomerID, pn.LastName, pn.FirstName  
HAVING SUM(soh.TotalDue) > 500000  
order by SUM(soh.TotalDue) DESC;
```