1. Show all Products and Categories, ordered by Category then Product

2. Show all Products and Suppliers, ordered by Company then Product

3. Show all Employees by Territory, ordered Employee Last Name then Territory
   (Hint, use EmployeeTerritories table to get from Employees to Territories)

4. Show all Territories by Region, ordered by Region then Territory

5. Show all Employees by Region AND Territory, ordered by Region, then Territory, then Last Name

6. Show OrderID, OrderDate and ProductIDs for OrderID 10248

7. Show Customer (Company) Name, Order Date, Product Name, Product Category, Unit Price and Quantity for OrderID 10248

1. List all Products and Product Numbers. Include Product Reviews where applicable.

2. List all Products with Product Numbers. Include Product Subcategory where applicable.

3. List all Products with Product Numbers. Include Product Category AND Subcategory where applicable.

4. List all Products with Product Numbers. Include Product Model were applicable.

5. List all Products with Product Numbers. Include Product Subcategory, Product Category AND Product Model where applicable.

```sql
---- Northwind Problems ----

-- All Products and Categories, ordered by Category then Product
SELECT c.CategoryName, p.ProductName
FROM Products p
INNER JOIN Categories c ON p.CategoryID = c.CategoryID
ORDER BY c.CategoryName, p.ProductName


-- All Products and Suppliers, ordered by Company then Product
SELECT s.CompanyName, p.ProductName
FROM Products p
INNER JOIN Suppliers s ON p.SupplierID = s.SupplierID
ORDER BY s.CompanyName, p.ProductName


-- All Employees by Territory, ordered Employee Last Name then Territory
--    (Hint, use EmployeeTerritories table to get from Employees to Territories)
SELECT e.FirstName, e.LastName, t.TerritoryDescription
FROM Employees e
INNER JOIN EmployeeTerritories et ON e.EmployeeID = et.EmployeeID
INNER JOIN Territories t ON et.TerritoryID = t.TerritoryID
ORDER BY e.LastName, t.TerritoryDescription


-- All Territories by Region, ordered by Region then Territory
SELECT r.RegionDescription, t.TerritoryDescription
FROM Region r
INNER JOIN Territories t ON r.RegionID = t.RegionID
ORDER BY r.RegionDescription, t.TerritoryDescription


-- All Employees by Region AND Territory, ordered by Region, then Territory, then Last
Name
SELECT r.RegionDescription, t.TerritoryDescription, e.FirstName, e.LastName
FROM Employees e
INNER JOIN EmployeeTerritories et ON e.EmployeeID = et.EmployeeID
INNER JOIN Territories t ON et.TerritoryID = t.TerritoryID
INNER JOIN Region r ON t.RegionID = r.RegionID
ORDER BY r.RegionDescription, t.TerritoryDescription, e.LastName


-- Show OrderID, OrderDate and ProductIDs for OrderID 10248
SELECT o.OrderID, o.OrderDate, od.ProductID
FROM Orders o
INNER JOIN [Order Details] od ON o.OrderID = od.OrderID
WHERE o.OrderID = 10248


-- Show Customer (Company) Name, Order Date, Product Name, Product Category, Unit Price
and Quantity for OrderID 10248
SELECT c.CompanyName, o.OrderDate, p.ProductName, cg.CategoryName, od.UnitPrice,
od.Quantity
FROM Orders o
INNER JOIN [Order Details] od ON o.OrderID = od.OrderID
INNER JOIN Customers c ON o.CustomerID = c.CustomerID
INNER JOIN Products p ON od.ProductID = p.ProductID
INNER JOIN Categories cg ON p.CategoryID = cg.CategoryID
WHERE o.OrderID = 10248
```

```sql
---- Adventure Works Problems ----

-- List Products and Product Numbers.  Include Product Reviews where applicable.
SELECT p.Name, p.ProductNumber, pr.Comments
FROM Production.Product p
LEFT JOIN [Production].[ProductReview] pr ON p.ProductID = pr.ProductID

-- List all Products with Product Numbers.  Include Product Subcategory where applicable.
SELECT p.Name AS ProductName, p.ProductNumber, psc.Name AS ProductSubCategory
FROM Production.Product p
LEFT JOIN Production.ProductSubcategory psc ON p.ProductSubcategoryID =
psc.ProductSubcategoryID

-- List all Products with Product Numbers.  Include Product Category AND Subcategory
where applicable.
SELECT p.Name AS ProductName, p.ProductNumber, psc.Name AS ProductSubCategory, pc.Name AS
ProductCategory
FROM Production.Product p
LEFT JOIN Production.ProductSubcategory psc ON p.ProductSubcategoryID =
psc.ProductSubcategoryID
LEFT JOIN Production.ProductCategory pc ON psc.ProductCategoryID = pc.ProductCategoryID

-- List all Products with Product Numbers.  Include Product Model were applicable.
SELECT p.Name AS ProductName, p.ProductNumber, pm.Name AS ProductModel
FROM Production.Product p
LEFT JOIN Production.ProductModel pm ON p.ProductModelID = pm.ProductModelID

-- List all Products with Product Numbers.  Include Product Subcategory, Product Category
AND Product Model where applicable.
SELECT p.Name AS ProductName, p.ProductNumber, psc.Name AS ProductSubCategory, pc.Name AS
ProductCategory
     , pm.Name AS ProductModel
FROM Production.Product p
LEFT JOIN Production.ProductSubcategory psc ON p.ProductSubcategoryID =
psc.ProductSubcategoryID
LEFT JOIN Production.ProductCategory pc ON psc.ProductCategoryID = pc.ProductCategoryID
LEFT JOIN Production.ProductModel pm ON p.ProductModelID = pm.ProductModelID
```