Exercise 1

Create a query with the following columns:

- “Name” from the Production.Product table, which can be alised as “ProductName”
- “ListPrice” from the Production.Product table
- “Name” from the Production. ProductSubcategory table, which can be alised as “ProductSubcategory”*
- “Name” from the Production.ProductCategory table, which can be alised as “ProductCategory”**

**Join Production.ProductSubcategory to Production.Product on “ProductSubcategoryID”*

***Join Production.ProductCategory to ProductSubcategory on “ProductCategoryID”*

All the tables can be inner joined, and you do not need to apply any criteria.

Exercise 2

Enhance your query from Exercise 1 by adding a derived column called

"AvgPriceByCategory " that returns the average ListPrice *for the product category in each given row*.

Exercise 3

Enhance your query from Exercise 2 by adding a derived column called

"AvgPriceByCategoryAndSubcategory" that returns the average ListPrice *for the product category AND subcategory in each given row.*

Exercise 4:

Enhance your query from Exercise 3 by adding a derived column called

"ProductVsCategoryDelta" that returns the result of the following calculation:

A product's list price, MINUS the average ListPrice for that product’s category.