[**PROG8590-24F-Sec1-Relational**](https://conestoga.desire2learn.com/d2l/home/1255613) **Databases**

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**Assignment No: 2**

1. **Return the product ID, product name, list price, size, unit measure name, the subcategory name and the product’s model name. Filter your result to include only the products that are not in the company inventory. Use alias for the table.**

*Answer:*

**SELECT p.[ProductID], p.[Name] AS 'Product Name', [ListPrice] AS 'Price List', um.[Name] AS 'Unit Measure Name', ps.[Name] AS 'Subcategory Name', pm.[Name] AS 'Product Model Name'**

//Selecting all the items to be displayed on the table and using alias for them and marking them separately.

**FROM [Production].[Product] p**

*// Choosing the table*

**LEFT JOIN [Production].[UnitMeasure] um**

// Making a left join to create link for the table

**ON p.[SizeUnitMeasureCode]=um.UnitMeasureCode**

*//Using the matching keys to create connection*

**LEFT JOIN [Production].[ProductSubcategory] ps**

*// Creating a left join*

**ON p.ProductSubcategoryID = ps.ProductSubcategoryID**

*//Using the matching keys to create connection*

**LEFT JOIN [Production].[ProductModel] pm**

*// Creating a left join*

**ON p.ProductModelID= pm.ProductModelID**

*//Using the matching keys to create connection*

**LEFT JOIN [Production].[ProductInventory] pi**

*// Creating a left join*

**ON p.ProductID = pi.ProductID**

*//Using the matching keys to create connection*

**WHERE pi.ProductID is NuLL**

*//sorting the table which has value, that is making sure the inventory id is Null, hence we list out the items that are not in the company inventory.*

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**2.**

The company raised the price list of some of her products. Write a query to show the details of these products.

*Answer:*

**SELECT p.\***

*//Selecting all the columns in the table*

**FROM [Production].[Product] p**

*//Choosing the table and aliasing it*

**JOIN [Production].[ProductListPriceHistory] ph**

*//Joining the table*

**ON p.[ProductID] = ph.ProductID**

*//Using the matching key, to create connection*

**WHERE ph.EndDate is Null**

*//Choosing product end date is Null is to make sure the product is still available*

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**3.**

**Write a query to show products with no review.**

*Answer:*

**SELECT \***

*//Selecting all columns in the table*

**FROM [Production].[ProductReview]**

*//From the table*

**WHERE[Comments] is Null**

//sorting with Null comments

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**4.**

**Write a query to show products with same price. Include only products with a**

**list price higher than 100 or with Reorder points greater than 500.**

**Answer:**

**SELECT p1.[ProductID], p1.[Name], p1.[ListPrice], p2.[ListPrice]**

*//Selecting the colums required for the table*

**FROM [Production].[Product] p1**

*//choosing the table*

**JOIN[Production].[Product] p2**

*//Joining the same table by creating alias as a comparison*

**ON p1.ListPrice=p2.ListPrice**

*//alias for the list price to create connecting*

**WHERE (p1.ListPrice > 100 OR p1.ReorderPoint > 500)**

*//sorting where the list price is greater than 100 or with reward points more than 500*

**ORDER BY p1.ListPrice**

*//Sorting by the price*

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