

Use the Group Clause to Produce Grouped Collections



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Module Goals



Grouping data

Two different syntaxes

Use order by two different ways

Simulate a SQL HAVING clause

Create grouped subqueries

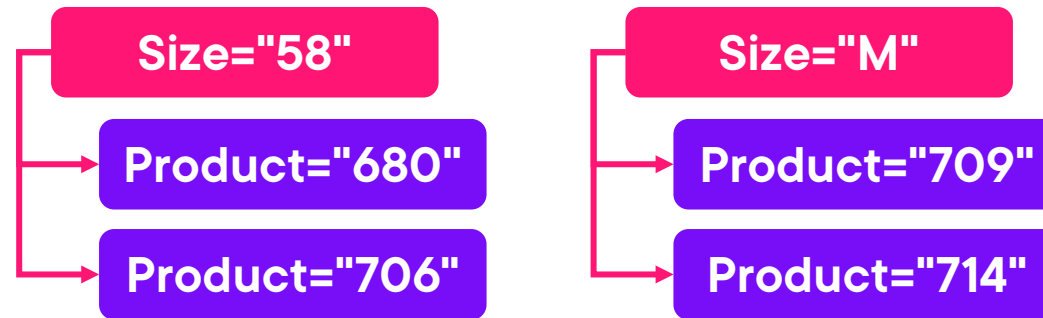




Group By



Group Products by Size



Grouping

Use 'group' and 'by' keywords

Group by a property in object

Can order by the same property



Demo



Group by



Demo



Order by 'Key' property

Query syntax uses 'into' and 'select'

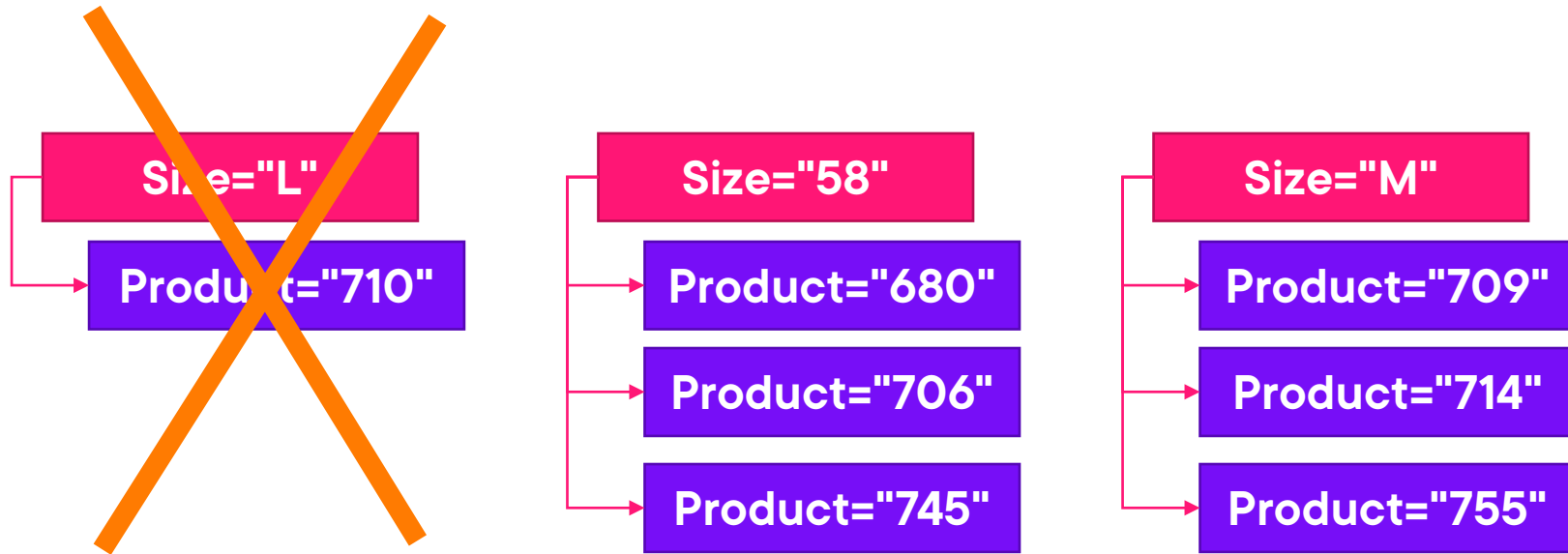




Filter Grouped Data



Group Products by Size Where > 2



Demo



Using the where expression





Grouped Subquery



Creating a Subquery

**Create a collection
of Products for a
Sale**

**Similar to the
GroupJoin()**

**Add another LINQ
query within select**



Demo



Grouped subquery





Simulate Distinct()



Simulate Distinct

**Get back distinct
colors**

Use group by

**Combined with
FirstOrDefault()**



Demo



Simulate Distinct



Module Summary



Group by creates a one -to-many structure

Order by is optional

Can order before grouping or after

**Filter grouped data using where
expression**

Build your own grouped subquery

Simulate distinct



Up Next:

Aggregate Data in Collections

