Creating Groups of Data Using GroupBy

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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

Grouping

Use 'group' and 'by' keywords

Group by a property in object

Can order by the same property

Demo

- **Group by**

Demo

- Group by using 'into' and 'select'

- Order by 'Key' property

Filter Grouped Data

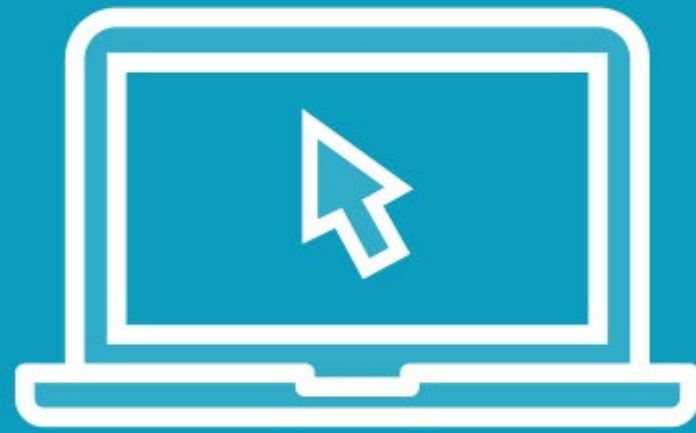# Demo

– **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**

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**

Up Next:
Aggregating Data in Collections