LINQ & EFCORE

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## GroupBy Query

var results = from p in persons

group p.car by p.PersonId into g

select new { PersonId = g.Key, Cars = g.ToList() };

Or as a non-query expression:

var results = persons.GroupBy(

p => p.PersonId,

p => p.car,

(key, g) => new { PersonId = key, Cars = g.ToList() });

## Paging Query

int numberOfObjectsPerPage = 10;

var queryResultPage = queryResult

.Skip(numberOfObjectsPerPage \* (pageNumber - 1))

.Take(numberOfObjectsPerPage);

## LINQ Left outer join query

var query = from c in db.Customers

join o in db.Orders

on c.CustomerID equals o.CustomerID into sr

from x in sr.DefaultIfEmpty()

select new {

CustomerID = c.CustomerID, ContactName = c.ContactName,

OrderID = x == null ? -1 : x.OrderID };