using HocLINQ;

//int[] numbers = { 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 };

//////-query syntax

////var evenNumbers = from n in numbers

//// where n % 2 == 0

//// select n;

////-method syntax

//var result = numbers.Where(n => n % 2 == 0).Select(n=>n);

//foreach (var item in result)

//{

// Console.WriteLine(item + " ");

//}

List<Brand> brands = new List<Brand>()

{

new Brand(){BrandId=1,BrandName="Công ty may 10"},

new Brand(){BrandId=2,BrandName="Công ty CMC"},

new Brand(){BrandId=3,BrandName="Nhà sách Trí Tuệ"},

new Brand(){BrandId=4,BrandName="Công ty Xuân Hòa"}

};

List<Product> products = new List<Product>()

{

new Product(){ProductId=1,ProductName="Laptop Dell",

Price=15000000,Colors = new string[]{"Trắng","Đen"},BrandId=2},

new Product(){ProductId=2,ProductName="Áo đồng phục",

Price=250000,Colors = new string[]{"Trắng","Xanh"},BrandId=1},

new Product(){ProductId=3,ProductName="Bàn học",

Price=800000,Colors = new string[]{"Trắng","Nâu"},BrandId=4},

new Product(){ProductId=4,ProductName="Đèn bàn",

Price=400000,Colors = new string[]{"Xanh","Hồng"},BrandId=3},

new Product(){ProductId=5,ProductName="Máy chiếu",

Price=12000000,Colors = new string[]{"Trắng","Đen"},BrandId=2},

new Product(){ProductId=6,ProductName="Cặp học sinh",

Price=600000,Colors = new string[]{"Trắng","Hồng"},BrandId=3},

};

Console.OutputEncoding = System.Text.Encoding.Unicode;

//CÁC TOÁN TỬ TRUY VẤN

//1. Phép chiếu

//-Query syntax

//var result = from b in brands

// select b; //Phep chieu

//-Method syntax

//var result = brands.Select(b => b); //Phep chieu

//foreach (var item in result){

// Console.WriteLine($"{item.BrandId}, {item.BrandName}");

//}

//Trả về đối tượng vô danh

//-query syntax

//2.Phép lọc: where

//-Query syntax

//var result = from p in products

// where p.Price > 1000000

// select p;

//-Method syntax

//var result = products.Where(p => p.Price > 1000000).Select(p => p);

//foreach (var item in result)

//{

// Console.WriteLine($"{item.ProductName}, {item.Price}");

//}

//3.Sap xep:order by

//-Query syntax

//var result = from b in brands

// orderby b.BrandName ascending

// select b;

//foreach (var item in result)

//{

// Console.WriteLine($"{item.BrandId}, {item.BrandName}");

//}

//4.Phép nối:Join

// -Query syntax

//var result = from p in products

// join b in brands

// on p.BrandId equals b.BrandId

// select new

// {

// MaSP = p.ProductId,

// TenSP = p.ProductName,

// TenTH = b.BrandName

// };

//-Method syntax

var result = products.Join(brands,

p=>p.BrandId,

b=>b.BrandId,

(p,b) => new

{

MaSP = p.ProductId,

TenSP = p.ProductName,

TenTH = b.BrandName

});

foreach (var item in result)

{

Console.WriteLine($"{item.MaSP}, {item.TenSP}, {item.TenTH}");

}

Scaffold-DbContext "Server=THIHOANG\SQLEXPRESS;Database=QLNhanSu;Integrated security=true;TrustServerCertificate=true;" Microsoft.EntityFrameworkCore.SqlServer -OutputDir Models lệnh