Linq-2

using System;

using System.Collections;

using System.Collections.Generic;

using System.IO;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Linq2

{

public class Maintanance

{

public class Customer

{

public int CustomerId { get; set; }

public string Name { get; set; }

public string Address { get; set; }

}

public class Product

{

public int qty { get; set; }

public int pId { get; set; }

public string pname { get; set; }

}

public class Order

{

public int Order\_ID { get; set; }

public string Order\_Date { get; set; }

public int CustomerId { get; set; }

public int pId { get; set; }

}

public List<Product> GetDetails2()

{

List<Product> pro = new List<Product>();

pro.Add(new Product() { pId = 1, pname = "book", qty = 134 });

pro.Add(new Product() { pId = 2, pname = "pencil", qty = 49 });

pro.Add(new Product() { pId = 3, pname = "scale", qty = 8 });

pro.Add(new Product() { pId = 4, pname = "pen", qty = 100 });

return pro;

}

public List<Customer> GetDetails3()

{

List<Customer> cust = new List<Customer>();

cust.Add(new Customer(){CustomerId = 89, Name = "pushpa", Address ="sundupalli" });

cust.Add(new Customer(){CustomerId=90,Name="supraja" ,Address="produtoor"});

cust.Add(new Customer(){CustomerId=91,Name="mounika" ,Address="kadapa"});

cust.Add(new Customer(){CustomerId=92,Name="neelaveni" ,Address="anantapoor"});

return cust;

}

public List<Order> GetDetails()

{

List<Order> ords = new List<Order>();

ords.Add(new Order() { Order\_ID = 111, Order\_Date = "22-2-2020", CustomerId = 89, pId = 1 });

ords.Add(new Order() { Order\_ID = 112, Order\_Date = "25-2-2020", CustomerId = 90, pId = 2 });

ords.Add(new Order() { Order\_ID = 113, Order\_Date = "22-2-2020", CustomerId = 91, pId = 3 });

ords.Add(new Order() { Order\_ID = 114, Order\_Date = "28-2-2020", CustomerId = 92, pId = 4 });

return ords;

}

}

class Program

{

static void Main(string[] args)

{

Maintanance m = new Maintanance();

var product = m.GetDetails2();

var pname = from x in product

select x;

foreach (var x in pname)

Console.WriteLine("the products is " + x.pname);

var cust = m.GetDetails3();

var customers = from x in cust

select x;

foreach (var x in cust)

Console.WriteLine("the customers is " + x.Name);

var pname1 = from x in product

where x.qty > 100

select x;

foreach (var x in pname1)

Console.WriteLine("the products more than 100 qty is " + x.pname);

var pname2 = from x in product

where x.qty > 10 && x.qty < 50

select x;

foreach (var x in pname2)

Console.WriteLine("the products less tha 10 more than 50 qty is " + x.pname);

}

}

}