using System;

using System.Collections.Generic;

using System.IO;

using System.Linq;

using System.Text;

using System.Text.RegularExpressions;

using System.Threading.Tasks;

namespace Homework31.\_10.\_23

{

//4

class Enterprise

{

string name;

DateTime foundationDate;

int nWorkers;

public Enterprise(string name, DateTime foundationDate, int nWorkers)

{

this.name = name;

this.foundationDate = foundationDate;

this.nWorkers = nWorkers;

}

public string Name { get => name; set => name = value; }

public DateTime FoundationDate { get => foundationDate; set => foundationDate = value; }

public int NWorkers { get => nWorkers; set => nWorkers = value; }

public override string ToString()

{

return string.Format($"name:{name}, foundationDate:{foundationDate.ToShortDateString()}, nWorkers:{nWorkers}");

}

}

class ProccesEnterprise

{

public string[] GetInfo(Enterprise[] A)

{

string[] s = (from n in A

select n.ToString()).ToArray();

return s;

}

public string[] GetCountWorkers(Enterprise[] A)

{

string[] s = (from n in A

where n.NWorkers > 100

select n.Name).ToArray();

return s;

}

}

internal class Program

{

static void Main(string[] args)

{

Enterprise[] enterprise =

{

new Enterprise("DevilStudio",new DateTime(2000,8,13),125),

new Enterprise("Angel2Free",new DateTime(1988,4,22),1000),

new Enterprise("GGG",new DateTime(2020,4,21),15),

new Enterprise("GGG222222",new DateTime(2021,4,21),5),

};

ProccesEnterprise proccesEnterprise = new ProccesEnterprise();

Console.WriteLine(string.Join("\n",proccesEnterprise.GetInfo(enterprise)));

Console.WriteLine("-----------------");

Console.WriteLine(string.Join("\n", proccesEnterprise.GetCountWorkers(enterprise)));

}

}

}