using System;

using static Homework12.\_10.\_23.Student;

namespace Homework12.\_10.\_23

{

delegate void ExamDelegate(string msg);

class Student

{

public class Name

{

public string name;

public string surname;

public DateTime BirthDate;

public Name()

{

name = "";

surname = "";

BirthDate = new DateTime(0, 0, 0);

}

public Name(string name,string surname,DateTime birth)

{

this.name = name;

this.surname = surname;

BirthDate = birth;

}

public override string ToString()

{

return String.Format("name:{0},surname:{1},Birthdate:{2}",name,surname,BirthDate.ToShortDateString());

}

}

public Name name;

public void Exam(string msg)

{

Console.WriteLine(name);

}

}

class Teacher

{

public event ExamDelegate ExamEvent;

public void ExamStudent()

{

ExamEvent.Invoke("something happen");

}

}

internal class Program

{

static void Main(string[] args)

{

//3

/\*Student student = new Student()

{

name = new Student.Name("ssss", "dddds", new DateTime(2006, 08, 13))

};

Console.WriteLine(student.name);\*/

Student[] students = new Student[3]{

new Student { name = new Student.Name("ssssss", "ddefefdd", new DateTime(2000, 6, 1)) },

new Student { name = new Student.Name("ssgggs", "ggggg", new DateTime(2000, 6, 1)) },

new Student { name = new Student.Name("shhhss", "fffff", new DateTime(2000, 6, 1)) }

};

Teacher teacher = new Teacher();

students[0].Exam("start1 exam");

students[1].Exam("start2 exam");

students[2].Exam("start3 exam");

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

Console.WriteLine("who starting Exam:");

teacher.ExamEvent += students[0].Exam;

teacher.ExamEvent += students[1].Exam;

teacher.ExamEvent += students[2].Exam;

teacher.ExamStudent();

teacher.ExamEvent -= students[0].Exam;

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

Console.WriteLine("Updating info:");

teacher.ExamStudent();

}

}

}