using System;

using System.Collections.Generic;

using System.IO;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp4

{

class Student

{

public Guid Id { get; set; }

public string Name { get; set; }

public string Surname { get; set; }

public string Speciality { get; set; }

public Student()

{

Id=Guid.NewGuid();

}

public override string ToString()

{

return $"{Id} {Name} {Surname} {Speciality}";

}

}

public class Program

{

//static void Display(string text)

//{

// Console.WriteLine("Hi "+text);

//}

//static char GetData(Action<string> action,string text,int no)

//{

// action.Invoke(text);

// return (char)no;

//}

//static void Main(string[] args)

//{

// Action<string> action=new Action<string>(Display);

// var func = new Func<Action<string>,string, int, char>(GetData);

// var result=func.Invoke(action,"Mike", 65);

// Console.WriteLine(result);

//}

//public delegate void AnonimDelegate();

//public delegate void AnonimDelegate2(int no);

//public delegate int AnonimDelegate3(int num1,int num2);

//static void Foo()

//{

// Console.WriteLine("Hiii Anonims");

//}

static void Main(string[] args)

{

//AnonimDelegate del = new AnonimDelegate(Foo);

//del.Invoke();

//AnonimDelegate del = new AnonimDelegate(delegate

// {

// Console.WriteLine("Hi Guys , What is up ? ");

// });

//del += Foo;

//del += delegate

// {

// Console.WriteLine("God bye bye");

// };

//del -= delegate

//{

// Console.WriteLine("God bye bye");

//};

//del.Invoke();

//AnonimDelegate2 del = new AnonimDelegate2(delegate (int no)

// {

// Console.WriteLine($"NO {no}");

// });

//del.Invoke(101);

//AnonimDelegate3 del = new AnonimDelegate3(delegate (int n1, int n2)

// {

// Console.WriteLine(n1 \* n2 + 10 + n1 + n2);

// return n1 \* n2 + 10 + n1 + n2;

// });

//del += delegate (int n1, int n2)

// {

// return n1 + n2;

// };

//var result=del.Invoke(50, 100);

//Console.WriteLine(result);

//Action action = new Action(Foo);

//action += delegate ()

//{

// Console.WriteLine("Hi Guys are you okay ? ");

//};

//action.Invoke();

//Func<string, int, bool> func = delegate (string name, int age)

// {

// Console.WriteLine($"Name : {name}");

// Console.WriteLine($"Age : {age}");

// return true;

// };

//func("Elvin", 23);

//Student id(Guid),name,surname,age,speciality,

//LogFile info.log + DateTime.Now

//WriteFile info.txt

//WriteConsole

//File.WriteAllText("info.log", "Salam");

Console.WriteLine("Enter name");

var name=Console.ReadLine();

Console.WriteLine("Enter surname");

var surname=Console.ReadLine();

Console.WriteLine("Enter speciality");

var speciality=Console.ReadLine();

var student = new Student

{

Name = name,

Surname = surname,

Speciality = speciality

};

Action<Student> del = delegate (Student s)

{

File.WriteAllText("info.log", s.ToString() + " " + DateTime.Now.ToLongDateString());

};

del += delegate (Student s)

{

File.WriteAllText("info.txt",s.ToString());

};

del += delegate (Student s)

{

Console.WriteLine(s);

};

del.Invoke(student);

}

}

}