Student propunator: Cadiş Paul Grupa: 221 email: [cadis\_paul\_00@yahoo.com](mailto:cadis_paul_00@yahoo.com)

GRILA: Ce se afiseaza in urma executiei programului?

namespace MyInterface

{

using System;

public interface Interface{void MethodB();}

}

namespace Extensions

{

using System;

using MyInterface;

public static class Extension

{

public static void MethodA(this Interface myInterface, int i)

{ Console.WriteLine("Extension.MethodA(this Interface interface, int i)");}

public static void MethodA(this Interface myInterface, string s)

{ Console.WriteLine("Extension.MethodA(this Interface interface, string s)");}

public static void MethodB(this Interface myInterface)

{Console.WriteLine("Extension.MethodB(this Interface interface)");}

}

}

namespace ExtensionMethods

{

using System;

using Extensions;

using MyInterface;

class A : Interface{public void MethodB() { Console.WriteLine("A.MethodB()"); }}

class B : Interface

{

public void MethodB() { Console.WriteLine("B.MethodB()"); }

public void MethodA(int i) { Console.WriteLine("B.MethodA(int i)"); }

}

class ExtMethodDemo

{

static void Main(string[] args)

{

A a = new A();

B b = new B();

a.MethodA(1);

a.MethodA("hello");

a.MethodB();

b.MethodA(1);

b.MethodB();

b.MethodA("hello");

}

}

}

Variante de raspuns:

a) (raspuns corect)

Extension.MethodA(this Interface interface, int i)

Extension.MethodA(this Interface interface, string s)

A.MethodB()

B.MethodA(int i)

B.MethodB()

Extension.MethodA(this Interface interface, string s)

b)

A.MethodB()

B.MethodA(int i)

B.MethodB()

c)

Eroare

Explicatii: Fiecare apel a metodei A sau B apeleaza metoda respectiva din clasa careia apartine variabila pentru care s-a apelat extensia, in cazul in care clasa nu are o metoda cu signatura respectiva, atunci se apeleaza prima metoda din clasa Extension care respecta signatura.