

Meno: .....

Označte ktoré z nasledujúcich pojmov predstavujú triedu a ktoré objekt. Pre triedy napíšte príslušný objekt a pre objekty príslušnú triedu

|                 | Objekt / trieda |                                  |
|-----------------|-----------------|----------------------------------|
| Kýblik          | trieda          | moj zeleny kyblik doma v kupelni |
| Komisár Rex     |                 |                                  |
| Batman          |                 |                                  |
| Pražská tramvaj |                 |                                  |
| Tesco           |                 |                                  |

Napíšte tento program:

```
public interface Clovek { };
public class Matfyzak : Clovek { };
public class Prvak_Matfyzak : Matfyzak { };
public class Elf { };

class Program
{
    static void Main(string[] args)
    {
a)         Clovek jan = new Clovek();
b)         Clovek josef = new Matfyzak();
c)         Clovek alois = new Prvak_Matfyzak();
d)         Prvak_Matfyzak alfons = new Matfyzak();
e)         Clovek legolas = new Elf();
f)         Elf arnold = new Elf();
    }
}
```

Ktoré z riadkov a) ... f) sú správne a ktoré nie a prečo nie sú správne

|    | správne? | co je zle? |
|----|----------|------------|
| a) |          |            |
| b) |          |            |
| c) |          |            |
| d) |          |            |
| e) |          |            |
| f) |          |            |

Mame kod:

```
public class A
{
    private int a1;
    protected int a2;
    public int a3;
}

public class B : A
{
    a)    public int f() { return a2 + a3; }
    b)    public int g() { return a1; }
}

class Program
{
    static void Main(string[] args)
    {
        A ca = new A();
        B cb = new B();

    c)    ca.a1 = 5;
    d)    ca.a2 = 6;
    e)    ca.a3 = 7;
    f)    cb.a1 = 15;
    g)    cb.a2 = 16;
    h)    cb.a3 = 17;
    i)    Console.WriteLine(cb.f());
    j)    Console.WriteLine(cb.g());
    k)    Console.WriteLine(ca.f());
    }
}
```

|    | spravne? | co je zle? |
|----|----------|------------|
| a) |          |            |
| b) |          |            |
| c) |          |            |
| d) |          |            |
| e) |          |            |
| f) |          |            |
| g) |          |            |
| h) |          |            |
| i) |          |            |
| j) |          |            |
| k) |          |            |

```
public class A
{
    public virtual int f() { return 5; }
    public int g() { return 6; }
}

public class B : A
{
    public override int f() { return 10; }
    public int g() { return 16; }
}
```

```
class Program
{
    static void Main(string[] args)
    {
        A c1 = new A();
        B c2 = new B();
        A c3 = new B();

    a)    Console.WriteLine(c1.f());
    b)    Console.WriteLine(c2.f());
    c)    Console.WriteLine(c3.f());
    d)    Console.WriteLine(c1.g());
    e)    Console.WriteLine(c2.g());
    f)    Console.WriteLine(c3.g());
    }
}
```

Co vypise riadok

|    |  |
|----|--|
| a) |  |
| b) |  |
| c) |  |
| d) |  |
| e) |  |
| f) |  |