

Ce va afisa urmatoarea secventa de cod?

```
using System;
```

```
class test
```

```
{
```

```
    public test()
```

```
    {
```

```
        b(5);
```

```
        Console.WriteLine("a");
```

```
    }
```

```
    public static void a()
```

```
    {
```

```
        Console.WriteLine("b");
```

```
    }
```

```
    public void b()
```

```
    {
```

```
        a();
```

```
        Console.WriteLine("c");
```

```
    }
```

```
    public void b(int x)
```

```
    {
```

```
        Console.WriteLine(x);
```

```
        b();
```

```
    }
```

```
}
```

```
public class program
```

```
{
```

```
    public static void Main()
```

```
    {
```

```
        test obj = new test();
```

```
        test.a();
```

```
        obj.b(10);
```

```
    }
```

```
}
```

Variante de raspuns:

- a) 5 b c a b 10 b c
- b) 5 c b a b b 10 c
- c) a 5 b c a b 10 b c
- d) 5 b c a b 10 c b

Explicatie:

In Main(), programul de mai sus va apela mai intai constructorul, apeland mai intai metoda b(5). Aceasta va afisa cifra 5, mai apoi apeland b(), ce apeleaza a(), afisand litera "b". La revenirea in b(), se afiseaza litera "c", iar apoi se revine pana in constructor unde se afiseaza "a".

La apelul test.a(), se va afisa doar litera "b". Ultimul apel, obj.b(10), se executa conform explicatiei de mai sus si va afisa "10 b c".

Astfel, raspunsul final este a) ("5 b c a b 10 b c").

Concepte: Clase C#, Constructor, Metode

Referinte Web: <https://www.w3schools.com/cs/>

Dificultatea: Easy