

Quiz 07 — Interfaces

C# Programming

This is a timed test. You have thirty minutes to complete the test. When you finish the test, email me your `Program.cs` file as a text document, and let me know that you have finished. I will ask you to run your program so that I can see that it compiles and runs.

Create an *interface* `IFirearm` with one method declaration, a void method that prints a message to console. Then instantiate three objects, a `Shotgun` instance, a `Rifle` instance, and a `Pistol` instance that implement the interface. **Note:** You are creating objects of type `IFirearm` by using the three classes that implement the interface. In your main program, instantiate objects, all of type `IFirearm`. Use the three types `Shotgun`, `Rifle`, and `Pistol` to create the three instances. *Put your Program class and your other classes in the same file.* In other words, use the same template we used before except substitute the interface for the class.

Here is the expected output.

```
This is Test 7
I am a shotgun and I go Boom
I am a rifle and I go Bang
I am a pistol and I go Pop
Press any key to continue . . .
```