

## Quiz 20 — Delegates

### C# Programming

This is a timed test. You have thirty minutes to complete the test. When you finish the test, upload your `Program.cs` to Canvas. Do not publish your answer to your `git` repository.

Create a console application. Create three classes, a `Rifle` class, a `Pistol` class, and a `Shotgun` class. In each class, create one method, a void method that takes no parameters, and prints a message to console similar to this: “I am a X and I go Y.” Replace X and Y with the appropriate values. Create a delegate of the appropriate type. Instantiate three objects and assign to the delegate the three methods. Call the delegate. Note that one call to the delegate invokes three methods. Your output should be similar to that shown below.

Here is the expected output.

```
This is C Sharp quiz 20
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 . . .
```