

Quiz 08 — Automatic Properties

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.

Do not create separate files for your class, but place your program and class in the same file as we did before.

You will create objects with three properties. For a song they might be Title, Performer, Composer. For a book they might be Title, Author, Subject. For an automobile they might be Make, Model, and Year. The ID property might be the ISBN, the VIN, or for this exercise a counter starting at zero or one and incrementing with each object that you instantiate. You get the sense of what's involved.

Create a class with the appropriate private fields, one of which must be a static field, the appropriate number of public properties, a constructor that initializes each object and also increments the ID of each object, and a void `toString()` method that pretty prints the object.

In your `Program` class, instantiate three objects and print them. Do not manually increment the ID but have it implemented programatically. Put both the program class and your object class in the same file as we have done before.

Here is the expected output. I am using a `Book` class with three properties, Title, Author, and Subject, along with a class property ID. I use the ID to number the objects when they print.

This is Test 08

```
1. Book title: C# Step by Step, author: John Sharp, subject: C# programming
2. Book title: TSQL Query Fundamentals, author: Itzak Ben-Gan, subject: TSQL programming
3. Book title: ASP.NET MVC Core 2, author: Adam Freeman, subject: ASP.NET programming
Press any key to continue . . .
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