XC++04a - Object-Oriented Terminology

Due Sep 29 at 11:59pm   **Points** 5   **Questions** 5   **Available** Sep 16 at 12am - Oct 6 at 11:59pm 21 days
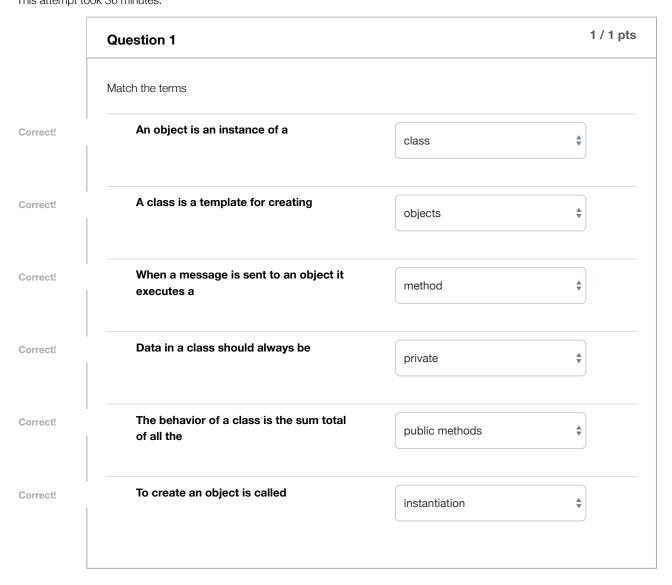**Time Limit** None   **Allowed Attempts** 4

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	36 minutes	3.1 out of 5

Score for this attempt: **3.1** out of 5
Submitted Sep 26 at 4:32pm
This attempt took 36 minutes.

Question 1	**1 / 1 pts**

Match the terms

Correct!	**An object is an instance of a**	class ⬍
Correct!	**A class is a template for creating**	objects ⬍
Correct!	**When a message is sent to an object it executes a**	method ⬍
Correct!	**Data in a class should always be**	private ⬍
Correct!	**The behavior of a class is the sum total of all the**	public methods ⬍
Correct!	**To create an object is called**	instantiation ⬍

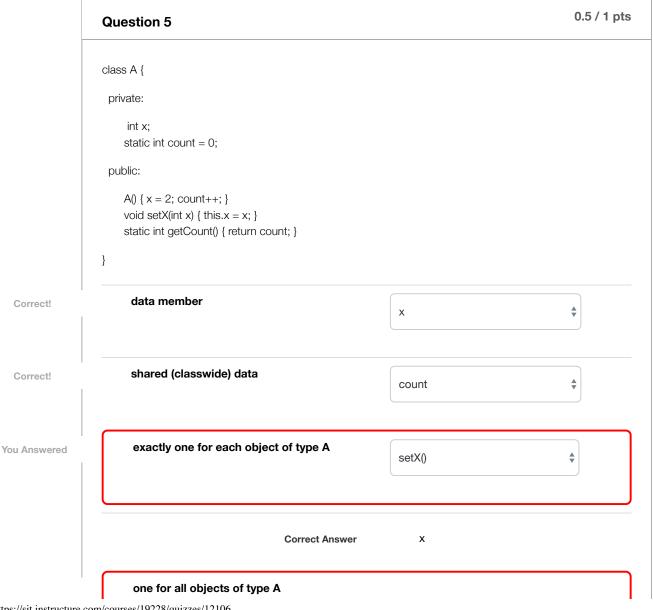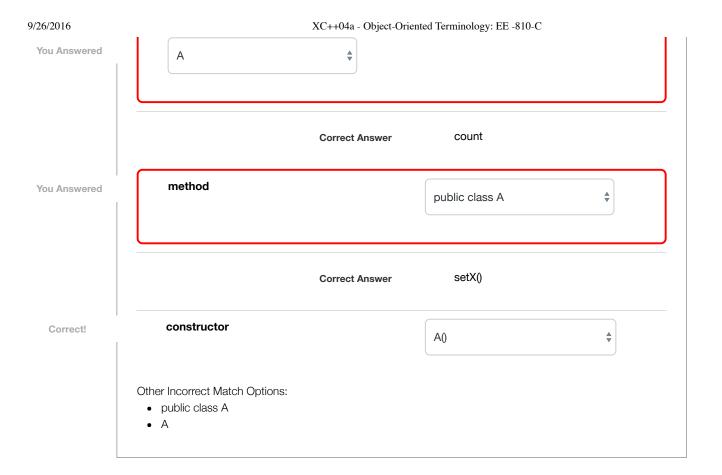## Question 2   0 / 1 pts

If the object doesn't require methods to be called in a particular order, the object is called

You Answered

static

Correct Answers   stateless

Question 3   0.6 / 1 pts

Match the terms

You Answered

Hiding the internals of objects is called   private ⬍

                    Correct Answer   encapsulation

Correct!

Creating an object from a class is called   instantiation ⬍

Correct!

Building a class based on another one in an is-a relationship is called   inheritance ⬍

Correct!

Values in a class that everyone can see are declared   public ⬍

You Answered

Values in a class that only the implementor should see are declared   encapsulation ⬍

                    Correct Answer   private

Question 4   1 / 1 pts

For each coding example, match to the object-oriented term that describes what is happening

Correct!

f1 = new Fraction()	instantiation ⇕

Correct!

class A { private int x; ...	encapsulation ⇕

Correct!

public class A : public B {	inheritance ⇕

Correct!

public class A : private C{	inheritance ⇕

Question 5   0.5 / 1 pts

```
class A {

  private:

      int x;
      static int count = 0;

  public:

      A() { x = 2; count++; }
      void setX(int x) { this.x = x; }
      static int getCount() { return count; }

}
```

Correct!

data member	x ⇕

Correct!

shared (classwide) data	count ⇕

You Answered

exactly one for each object of type A	setX() ⇕

Correct Answer   x

one for all objects of type A	

You Answered

| A | ⬍ |

Correct Answer   count

You Answered

| **method** | | public class A | ⬍ |

Correct Answer   setX()

Correct!

| **constructor** | | A() | ⬍ |

Other Incorrect Match Options:
- public class A
- A

Quiz Score: **3.1** out of 5