

Name: Answer Sheet

Date: 06/07/2016

Quiz name: Module 1: Inheritance Part 1

Score: 100%

-
- ✓ 1. Inheritance is used to model what kind of relationship between classes?
- ☐ A "has a"
 - ☒ B "is a"
 - ☐ C "needs a"
 - ☐ D "wants a"
 - ☐ E "gotta"
-
- ✓ 2. What .NET class appears at the very top of the C# object hierarchy? In other words, what class is the superclass of all other classes in C#?
- System.Object
-
- ✓ 3. Which of the methods below belong to System.Object? (Check all that apply)
- ☒ A Equals()
 - ☒ B ToString()
 - ☐ C Contains()
 - ☐ D Size
 - ☐ E I don't know
-
- ✓ 4. When a subclass provides a different implementation than the method defined in the superclass, this is called:
- ☐ A method overloading
 - ☒ B method overriding
 - ☐ C method inheritance
 - ☐ D method replacement
 - ☐ E I don't know
-
- ✓ 5.
- ```
// #####
// Alpha.cs
// #####
public class Alpha {

 public virtual string GetOpinion() {
 return "Alpha is best!";
 }
}
```
- ```
// #####  
// Bravo.cs  
// #####  
public class Bravo : Alpha {
```

```

public override string GetOpinion() {
    return "Bravo is best!";
}
}

// #####
// Charlie.cs
// #####
public class Charlie : Bravo {

}

// #####
// Delta.cs
// #####
public class Delta : Alpha {

}

```

What value is returned by calling the "GetOpinion()" method on an instance of Bravo?

- ☐ A Alpha is best!
- ☒ B Bravo is best!
- ☐ C I don't know



6.

In an inheritance chain which of the following access modifiers make a members of the base class accessible to the derived class? (check all that apply)

- ☐ A static
- ☒ B protected
- ☐ C private
- ☐ D shared
- ☒ E public



7.

How can you prevent inheritance from a class in C#?

- ☐ A Declare class as protected
- ☐ B Declare class as overload
- ☐ C Declare class as final
- ☒ D Declare class as sealed

In the below class declaration, what is Alpha called?

```

public class Bravo : Alpha
{

```



8.

```

}

```

- ☐ A Originating Class
- ☒ B Superclass
- ☐ C Subclass
- ☐ D Inherit Class

In the below class declaration, what is Bravo called?

```
public class Bravo : Alpha  
{
```



9.

}

☐ A

Originating Class

☐ B

Superclass

☒ C

Subclass

☐ D

Inherit Class



10.

A class can inherit from multiple super classes

☐ A

True

☒ B

False