

Name: Answer Sheet

Date: 06/04/2016

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 class appears at the very top of the Java object hierarchy? In other words, what class is the superclass of all other classes in Java? Write the fully qualified name of the class.
- java.lang.Object
-
- ✓ 3. Which of the methods below belong to java.lang.Object? (Check all that apply)
- ☒ A equals
 - ☒ B hashCode
 - ☒ C toString
 - ☐ D contains
 - ☐ E size
-
- ✓ 4. When a subclass provides a different implementation for a method of a superclass, this is called:
- ☐ A method overloading
 - ☒ B method overriding
 - ☐ C method inheritance
 - ☐ D method replacement
 - ☐ E I don't know
-

```
// #####  
// Alpha.java  
// #####  
public class Alpha {
```

- ✓ 5.

```
public getOpinion( ) {  
    return "Alpha is best!";  
}  
}
```

```
// #####  
// Bravo.java  
// #####  
public class Bravo extends Alpha {
```

```

public String getOpinion() {
    return "Bravo is best!";
}

// #####
// Charlie.java
// #####
public class Charlie extends Bravo {

}

// #####
// Delta.java
// #####
public class Delta extends Alpha {

}

```

What value is returned by calling the "getOpinion" method on an instance of Alpha?

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

```

// #####
// Alpha.java
// #####
public class Alpha {

    public getOpinion() {
        return "Alpha is best!";
    }
}

// #####
// Bravo.java
// #####
public class Bravo extends Alpha {

    public String getOpinion() {
        return "Bravo is best!";
    }
}

// #####
// Charlie.java
// #####
public class Charlie extends Bravo {

}

// #####
// Delta.java

```

✓ 6.

```
// #####  
public class Delta extends Alpha {  
  
}
```

What value is returned by calling the "getOpinion" method on an instance of Charlie?

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



7.

```
// #####  
// Alpha.java  
// #####  
public class Alpha {  
  
    public getOpinion( ) {  
        return "Alpha is best!";  
    }  
}  
  
// #####  
// Bravo.java  
// #####  
public class Bravo extends Alpha {  
  
    public String getOpinion( ) {  
        return "Bravo is best!";  
    }  
}  
  
// #####  
// Charlie.java  
// #####  
public class Charlie extends Bravo {  
  
}  
  
// #####  
// Delta.java  
// #####  
public class Delta extends Alpha {  
  
}
```

What value is returned by calling the "getOpinion" method on an instance of Delta?

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



8.

Which of the following modifiers can be used to prevent a method from being overridden by subclasses?

- ☐ A protected
- ☐ B static
- ☒ C final
- ☐ D abstract

Ⓔ I don't know