```
class Frodo extends Bilbo{
   public String name = "Frodo";
   public void method1(){
        System.out.println(super.name+" 1");
        System.out.println("Frodo 1");
        super.method1();
   public void method3(){
        System.out.println(this.name+" 3");
        System.out.println("Frodo 3");
class Gandalf{
   public String name = "Gandalf";
   public void method1(){
        System.out.println("Gandalf 1");
   public void method2(){
        System.out.println("Gandalf 2");
        method1();
        System.out.println(name+" 2");
    }
class Bilbo extends Gandalf{
   public void method1(){
        System.out.println("Bilbo 1");
        System.out.println(super.name+" 1");
    }
class Gollum extends Gandalf{
   public String name = "Gollum";
   public void method3(){
        System.out.println("Gollum 3");
        this.method2();
    }
```

And assuming the following variables have been defined:

```
Gandalf var1 = new Frodo();
Gandalf var2 = new Bilbo();
Gandalf var3 = new Gandalf();
Object var4 = new Bilbo();
Bilbo var5 = new Frodo();
Object var6 = new Gollum();
```

In the table below, indicate in the right-hand column the output produced by the statement in the left-hand column. If the statement produces more than one line of output, indicate the line breaks with slashes as in "a/b/c" to indicate three lines of output with "a" followed by "b" followed by "c". If the statement causes an error, fill in the right-hand column with either the phrase "compiler error" or "runtime error" to indicate when the error would be detected.

Statement Output

<pre>System.out.println(var1.name);</pre>	
<pre>System.out.println(var2.name);</pre>	
<pre>System.out.println(var3.name);</pre>	

<pre>System.out.println(var4.name);</pre>	
<pre>System.out.println(var5.name);</pre>	
<pre>System.out.println(var6.name);</pre>	
<pre>var1.method1();</pre>	
<pre>var2.method1();</pre>	
var4.method1();	
<pre>var6.method1();</pre>	
var1.method2();	
<pre>var3.method2();</pre>	
<pre>var4.method2();</pre>	
<pre>var5.method2();</pre>	
<pre>var6.method2();</pre>	
((Frodo)var4).method3();	
((Frodo)var6).method2();	
((Gollum)var1).method3();	
((Gollum)var4).method1();	
((Gandalf)var1).method2();	
((Frodo)var4).method1();	
((Gollum)var6).method2();	
((Gandalf)var2).method1();	
((Bilbo)var6).method2();	
((Frodo)var1).method3();	
((Gandalf)var5).method3();	