

```

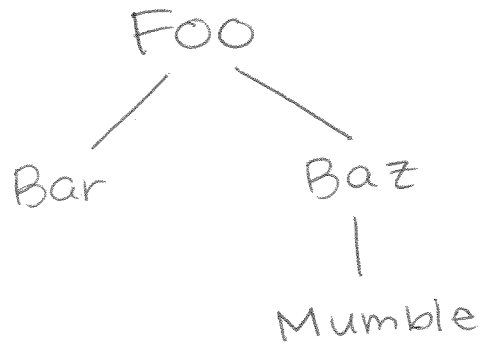
public class Foo {
    public void method1() {
        System.out.println("foo 1");
    }

    public void method2() {
        System.out.println("foo 2");
    }

    public String toString() {
        return "foo";
    }
}

```

## Inheritance Hierarchy



```

public class Bar extends Foo {
    public void method2() {
        System.out.println("bar 2");
    }
}

```

```

public class Baz extends Foo {
    public void method1() {
        System.out.println("baz 1");
    }

    public String toString() {
        return "baz";
    }
}

```

```

public class Mumble extends Baz {
    public void method2() {
        System.out.println("mumble 2");
    }
}

```

	m1	m2	toString
Foo	foo1	foo2	foo
Bar	foo1	bar2	foo
Baz	baz1	foo2	baz
Mumble	baz1	mumble2	baz

What is the output of the following client code?

```

Foo[] pity = {new Baz(), new Bar(), new Mumble(), new Foo()};
for (int i = 0; i < pity.length; i++) {
    System.out.println(pity[i]);
    pity[i].method1();
    pity[i].method2();
    System.out.println();
}

```

baz      foo      baz      foo  
 baz1    foo1    baz1    foo1  
 foo2    bar2    mumble2    foo2

Note: Column formatting okay!