

**Practice/Inheritance/Animals/Animals.java**

```
1
2 class Inheritance {
3     public static void main (String[] args) {
4         Animals[] AnimalList = {
5             new Mammal ("Monkey", 12),
6             new Mammal ("Giraffe", 7),
7             new Bird ("Eagle", 19),
8             new Bird ("Poof", 6),
9         };
10
11         for (Animals animal : AnimalList) {
12             System.out.println(animal + "has a speed of " + animal.speed());
13         }
14     }
15 }
16
17 public abstract class Animals {
18
19     protected String name;
20     protected int age;
21
22     public Animals(String n, int a) {
23         name = n;
24         age = a;
25     }
26
27     public abstract double speed();
28
29     public String toString() {
30         return name + " " + age;
31     }
32 }
33
34 class Mammal extends Animals {
35     public Mammal (String name, int age) {
36         super(name, age);
37     }
38
39     public double speed() {
40         return 0.0;
41     }
42
43     public String toString() {
44         return "Mammal " + super.toString();
45     }
46 }
47
48 class Bird extends Animals {
49     public Bird (String name, int age) {
50         super(name, age);
51     }
52
53     public double speed() {
```

```
54         return 0.0;
55     }
56
57     public String toString() {
58         return "Bird " + super.toString();
59     }
60 }
61
62
```