

Java Inheritance I

Using *inheritance*, one class can acquire the properties of others. Consider the following *Animal* class:

```
class Animal{
    void walk(){
        System.out.println("I am walking");
    }
}
```

This class has only one method, *walk*. Next, we want to create a *Bird* class that also has a *fly* method. We do this using *extends* keyword:

```
class Bird extends Animal {
    void fly() {
        System.out.println("I am flying");
    }
}
```

Finally, we can create a *Bird* object that can both *fly* and *walk*.

```
public class Solution{
    public static void main(String[] args){

        Bird bird = new Bird();
        bird.walk();
        bird.fly();
    }
}
```

The above code will print:

```
I am walking
I am flying
```

This means that a *Bird* object has all the properties that an *Animal* object has, as well as some additional unique properties.

The code above is provided for you in your editor. You must add a *sing* method to the *Bird* class, then modify the *main* method accordingly so that the code prints the following lines:

```
I am walking
I am flying
I am singing
```