### Example 1: Java Inheritance

**class** Animal {

// field and method of the parent class

String name;

**public** **void** eat() {

System.***out***.println("I can eat");

}

}

// inherit from Animal

**class** Dog **extends** Animal {

// new method in subclass

**public** **void** display() {

System.***out***.println("My name is " + name);

}

**public** **static** **void** main(String[] args) {

// create an object of the subclass

Dog labrador = **new** Dog();

// access field of superclass

labrador.name = "Rohu";

labrador.display();

// call method of superclass

// using object of subclass

labrador.eat();

}}

### Example 2: super Keyword in Inheritance

class Animal {

// method in the superclass

public void eat() {

System.out.println("I can eat");

}

}

// Dog inherits Animal

class Dog extends Animal {

// overriding the eat() method

@Override

public void eat() {

// call method of superclass

super.eat();

System.out.println("I eat dog food");

}

// new method in subclass

public void bark() {

System.out.println("I can bark");

}

}

class Main {

public static void main(String[] args) {

// create an object of the subclass

Dog labrador = new Dog();

// call the eat() method

labrador.eat();

labrador.bark();

}

}

**Example 3: Method overriding in Java Inheritance**

class Animal {

// method in the superclass

public void eat() {

System.out.println("I can eat");

}

}

// Dog inherits Animal

class Dog extends Animal {

// overriding the eat() method

@Override

public void eat() {

System.out.println("I eat dog food");

}

// new method in subclass

public void bark() {

System.out.println("I can bark");

}

}

class Main {

public static void main(String[] args) {

// create an object of the subclass

Dog labrador = new Dog();

// call the eat() method

labrador.eat();

labrador.bark();

}

}

### Example 4: protected Members in Inheritance

class Animal {

protected String name;

protected void display() {

System.out.println("I am an animal.");

}

}

class Dog extends Animal {

public void getInfo() {

System.out.println("My name is " + name);

}

}

class Main {

public static void main(String[] args) {

// create an object of the subclass

Dog labrador = new Dog();

// access protected field and method

// using the object of subclass

labrador.name = "Rocky";

labrador.display();

labrador.getInfo();

}

}