

INHERITANCE:

```
class Animal {  
    String name;  
    public void eat() {  
        System.out.println("I can eat");  
    }  
}
```

```
class Dog extends Animal {  
    public void display() {  
        System.out.println("My name is " + name);  
    }  
}
```

```
class Main {  
    public static void main(String[] args) {  
  
        Dog labrador = new Dog();  
  
        labrador.name = "Rohu";  
        labrador.display();  
        labrador.eat();  
  
    }  
}
```

```
class Animal {  
  
    public void eat() {  
        System.out.println("I can eat");  
    }  
}
```

```
class Dog extends Animal {  
    @Override  
    public void eat() {  
        System.out.println("I eat dog food");  
    }  
  
    public void bark() {  
        System.out.println("I can bark");  
    }  
}
```

```
class Main {  
    public static void main(String[] args) {  
  
        Dog labrador = new Dog();  
  
        labrador.eat();  
        labrador.bark();  
    }  
}
```

```
class Animal {  
  
    public void eat() {  
        System.out.println("I can eat");  
    }  
}
```

```
class Dog extends Animal {  
    @Override  
    public void eat() {
```

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

    public void bark() {
        System.out.println("I can bark");
    }
}

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

        Dog labrador = new Dog();

        labrador.eat();
        labrador.bark();
    }
}



---



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) {  
  
        Dog labrador = new Dog();  
  
        labrador.name = "Rocky";  
        labrador.display();  
  
        labrador.getInfo();  
    }  
}
```

```
class Calculation {  
    int z;  
  
    public void addition(int x, int y) {  
        z = x + y;  
        System.out.println("The sum of the given numbers:"+z);  
    }  
  
    public void Subtraction(int x, int y) {  
        z = x - y;  
        System.out.println("The difference between the given numbers:"+z);  
    }  
}  
  
public class My_Calculation extends Calculation {  
    public void multiplication(int x, int y) {  
        z = x * y;
```

```
System.out.println("The product of the given numbers:"+z);  
}
```

```
public static void main(String args[]) {  
    int a = 20, b = 10;  
    My_Calculation demo = new My_Calculation();  
    demo.addition(a, b);  
    demo.Subtraction(a, b);  
    demo.multiplication(a, b);  
}  
}
```
