```java
// A complete implementation of BoxWeight.
class Box {
    private double width;
    private double height;
    private double depth;
    // construct clone of an object
    Box(Box ob) { // pass object to constructor
        width = ob.width;
        height = ob.height;
        depth = ob.depth;
    }
    // constructor used when all dimensions specified
    Box(double w, double h, double d) {
        width = w;
        height = h;
        depth = d;
    }
    // constructor used when no dimensions specified
    Box() {
        width = -1; // use -1 to indicate
        height = -1; // an uninitialized
        depth = -1; // box
    }
    // constructor used when cube is created
```

```java
        Box(double len) {
                width = height = depth = len;
        }
        // compute and return volume
        double volume() {
                return width * height * depth;
        }
}
// BoxWeight now fully implements all constructors.

class BoxWeight extends Box {
        double weight; // weight of box
        // construct clone of an object
        BoxWeight(BoxWeight ob) { // pass object to constructor
                super(ob);
                weight = ob.weight;
        }
        // constructor when all parameters are specified
        BoxWeight(double w, double h, double d, double m) {
                super(w, h, d); // call superclass constructor
                weight = m;
        }
```

```java
        // default constructor
        BoxWeight() {
                super();
                weight = -1;
        }
        // constructor used when cube is created
        BoxWeight(double len, double m) {
                super(len);
                weight = m;

        }
}

class DemoSuper {
        public static void main(String args[]) {
                BoxWeight mybox1 = new BoxWeight(10, 20, 15, 34.3);
                BoxWeight mybox2 = new BoxWeight(2, 3, 4, 0.076);
                BoxWeight mybox3 = new BoxWeight(); // default
                BoxWeight mycube = new BoxWeight(3, 2);
                BoxWeight myclone = new BoxWeight(mybox1);
                double vol;
                vol = mybox1.volume();
                System.out.println("Volume of mybox1 is " + vol);
                System.out.println("Weight of mybox1 is " + mybox1.weight);
                System.out.println();
```

```
            vol = mybox2.volume();
            System.out.println("Volume of mybox2 is " + vol);
            System.out.println("Weight of mybox2 is " + mybox2.weight);
            System.out.println();
            vol = mybox3.volume();
            System.out.println("Volume of mybox3 is " + vol);
            System.out.println("Weight of mybox3 is " + mybox3.weight);
            System.out.println();
            vol = myclone.volume();
            System.out.println("Volume of myclone is " + vol);
            System.out.println("Weight of myclone is " + myclone.weight);
            System.out.println();
            vol = mycube.volume();
            System.out.println("Volume of mycube is " + vol);
            System.out.println("Weight of mycube is " + mycube.weight);
            System.out.println();
        }
}
```

This program generates the following output:
Volume of mybox1 is 3000.0
Weight of mybox1 is 34.3
Volume of mybox2 is 24.0
Weight of mybox2 is 0.076

Volume of mybox3 is -1.0
Weight of mybox3 is -1.0
Volume of myclone is 3000.0
Weight of myclone is 34.3
Volume of mycube is 27.0
Weight of mycube is 2.0