

Main.java



Share

Run

Output

```
1- class Box {
2-     double width, depth, height, volume;
3-     Box(double width, double depth, double height) {
4-         this.width = width;
5-         this.depth = depth;
6-         this.height = height;
7-         this.volume = width * depth * height;
8-     }
9- }
10- class BoxWeight extends Box {
11-     double weight;
12-     BoxWeight(double width, double depth, double height, double weight) {
13-         super(width, depth, height);
14-         this.weight = weight;
15-     }
16-     void displayWeight() {
17-         System.out.println("Box weight: " + weight + " kg");
18-     }
19- }
20- class Shipment extends BoxWeight {
21-     double cost;
22-     Shipment(double width, double depth, double height, double weight, double cost
23-     ) {
24-         super(width, depth, height, weight);
25-         this.cost = cost;
26-     }
27-     void displayCost() {
```

```
java -cp /tmp/NIh1lbVtBR/Main
Box weight: 12.5 kg
Shipment cost: $150.75

--- Code Execution Successful ---
```

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```
13     super(width, depth, height);
14     this.weight = weight;
15 }
16 void displayWeight() {
17     System.out.println("Box weight: " + weight + " kg");
18 }
19 }
20 class Shipment extends BoxWeight {
21     double cost;
22     Shipment(double width, double depth, double height, double weight, double cost) {
23         super(width, depth, height, weight);
24         this.cost = cost;
25     }
26     void displayCost() {
27         System.out.println("Shipment cost: $" + cost);
28     }
29 }
30 public class Main {
31     public static void main(String[] args) {
32         BoxWeight boxWeight = new BoxWeight(10, 5, 2, 12.5);
33         boxWeight.displayWeight();
34         Shipment shipment = new Shipment(10, 5, 2, 12.5, 150.75);
35         shipment.displayCost();
36     }
37 }
```

```
java -cp /tmp/NIh11bWfBR/Main
```

```
Box weight: 12.5 kg
```

```
Shipment cost: $150.75
```

```
--- Code Execution Successful ---
```