1. **Create box class with width, heigth,depth data memeber and volumn method create two sub class box weigth,with width data member and shipment class with cost data member. display the volumn of box,box weigth,shipment cost?**

**CODE:**

class Box {

double width;

double height;

double depth;

double volume() {

return width \* height \* depth;

}

}

class BoxWeight extends Box {

double weight;

}

class Shipment {

double cost;

}

public class Main {

public static void main(String[] args) {

Box box = new Box();

box.width = 10;

box.height = 5;

box.depth = 3;

BoxWeight boxWeight = new BoxWeight();

boxWeight.width = 5;

boxWeight.height = 3;

boxWeight.depth = 2;

boxWeight.weight = 15;

Shipment shipment = new Shipment();

shipment.cost = 50;

System.out.println("Volume of Box: " + box.volume());

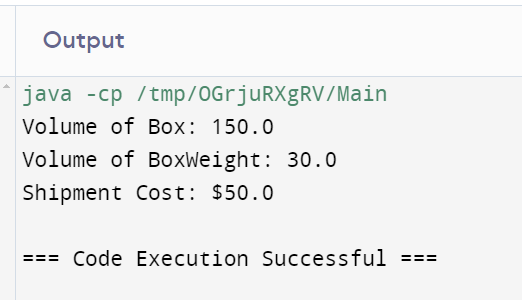
System.out.println("Volume of BoxWeight: " + boxWeight.volume());

System.out.println("Shipment Cost: $" + shipment.cost);

}

}

**OUTPUT:**

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