```
//Program demonstarting multilevel inheritance
class Box
    private double width;
    private double height;
   private double depth;
//Construct Clone of an Object
        Box(Box ob)
        {
            width =ob.width;
            height =ob.height;
            depth = ob.depth;
        }
//Constructors used when all dimentions are specified
        Box(double w,double h,double d)
        {
            width =w;
            height =h;
            depth = d;
        }
//Constructor used when no dimentions specified
        Box()
        {
            width =-1;
            height =-1;
            depth = -1;
        }
//Constructor used when cube is created
        Box(double len)
        {
            width=height=depth=len;
        }
//Compute and return volume
        double volume()
        {
            return(width*height*depth);
        }
}
//Add weight
class BoxWeight extends Box
{
    double weight;
                                //Weight of the box
//Construct clone of an object
        BoxWeight(BoxWeight ob)
                                                 //Pass object to the constructor
        {
```

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super(ob);
            weight=ob.weight;
        }
//Constructor when all the parameteres are specified
        BoxWeight(double w, double h, double d, double m)
        {
            super(w,h,d);
            weight=m;
        }
//default constructor
        BoxWeight()
        {
            super();
            weight=-1;
        }
//Constructor used when cube is created
        BoxWeight(double len, double m)
        {
            super(len);
            weight=m;
        }
}
//Add Shipment Costs
class Shipment extends BoxWeight
        double cost;
//Construct clone of an object
        Shipment(Shipment ob) //Pass object to constructor
        {
            super(ob);
            cost=ob.cost;
        }
//Constructor when all the parameters are specified
        Shipment(double w, double h, double d, double m, double c)
        {
            super(w,h,d,m);
            cost=c;
        }
//default constructor
        Shipment()
        {
            super();
            cost=-1;
        }
//Constructor used when cube is created
        Shipment(double len, double m, double c)
```

```
{
            super(len,m);
            cost=c;
        }
}
class DemoShipment1
        public static void main(String args[])
            Shipment shipment1 = new Shipment(10,20,15,10,3.41);
            Shipment shipment2 = new Shipment(2,3,4,0.76,1.28);
            double vol;
            vol=shipment1.volume();
            System.out.println("Volume of Shipment 1 is: " + vol);
            System.out.println("Weight of shipment 1 is: " + shipment1.weight);
            System.out.println("Shipping Cost: $" + shipment1.cost);
            System.out.println();
            vol=shipment2.volume();
            System.out.println("Volume of Shipment 2 is: " + vol);
            System.out.println("Weight of shipment 2 is: " + shipment2.weight);
            System.out.println("Shipping Cost: $" + shipment2.cost);
            System.out.println();
        }
}
```