JAVA TEST (30/7/24)

class Box {

double width;

double height;

double depth;

public Box(double width, double height, double depth) {

this.width = width;

this.height = height;

this.depth = depth;

}

public double volume() {

return width \* height \* depth;

}

}

class BoxWeight extends Box {

double weight;

public BoxWeight(double width, double height, double depth, double weight) {

super(width, height, depth);

this.weight = weight;

}

}

class Shipment extends BoxWeight {

double cost;

public Shipment(double width, double height, double depth, double weight, double cost) {

super(width, height, depth, weight);

this.cost = cost;

}

}

public class Main {

public static void main(String[] args) {

Box box = new Box(5,6,8);

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

BoxWeight boxWeight = new BoxWeight(5,6,8,10);

System.out.println("Box weight: " + boxWeight.weight);

System.out.println("Box volume: " + boxWeight.volume());

Shipment shipment = new Shipment(5,6,8,10,100);

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

System.out.println("Shipment volume: " + shipment.volume());

System.out.println("Shipment weight: " + shipment.weight);

}

}

