```java
class Box{
    Box(double length,double breadth,double height){
        l=length;
        b=breadth;
        h=height;

    }
    double vol(){
        return (l*b*h);
    }
}
public class DemoBox{
    Run main | Debug main
    public static void main(String arg[]){
        Box b1=new Box(5,5,5);
        Box b2=new Box(6,6,6);
        System.out.println("The volume of the first box is"+b1.vol());
        System.out.println("The volume of the second box is "+b2.vol());
    }
}
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
The volume of the first box is125.0
The volume of the second box is 216.0
```

```java
import java.util.*;

class Quad {
    double a, b, c, d;

    void input() {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the coefficients a, b, and c:");
        a = sc.nextDouble();
        b = sc.nextDouble();
        c = sc.nextDouble();
    }

    void calcRoots() {
        d = (b * b) - (4 * a * c);
        double real = -b / (2 * a);

        if (d == 0) {
            System.out.println("The roots are real and equal: " + real);
        } else if (d > 0) {
            double root1 = (-b + Math.sqrt(d)) / (2 * a);
            double root2 = (-b - Math.sqrt(d)) / (2 * a);
            System.out.println("The roots are real and distinct:");
            System.out.println("Root 1: " + root1);
            System.out.println("Root 2: " + root2);
        } else {
            double imag = Math.sqrt(-d) / (2 * a);
            System.out.println("The roots are imaginary and complex:");
            System.out.println("Root 1: " + real + " + i" + imag);
            System.out.println("Root 2: " + real + " - i" + imag);
        }
    }
}

public class QuadRun {
    public static void main(String[] args) {
        Quad q = new Quad();
        q.input();
        q.calcRoots();
    }
}
```

```
C:\Users\bhagy\Documents\java programs>cd C:\Users\bhagy\Documents\java programs

C:\Users\bhagy\Documents\java programs>javac QuadRun.java

C:\Users\bhagy\Documents\java programs>java QuadRun
Enter coefficients:
2
4
2
Root1=Root2=-1

C:\Users\bhagy\Documents\java programs>java QuadRun
Enter coefficients:
2
4
5
Root1:-1.0+ i1.224744871391589
Root1:-1.0- i1.224744871391589

C:\Users\bhagy\Documents\java programs>java QuadRun
Enter coefficients:
2
-5
2
Root1:2.0
Root2:0.5
```