```
class Box
{
   int length;
   int width;
   int breadth;
   Box(int l, int w, int b)
   {
                    length = l;
      width = w;
      breadth = b;
   }

   int vol()
   {
     return length*breadth*width;
   }
}

class Demo
{
   public static void main(String arg[])
   {
      int volume1, volume2;

      Box box1 = new Box(5, 5, 5);
      volume1 = box1.vol();

                    Box box2 = new Box(10,10,10);
                    volume2 = box2.vol();

      System.out.println("Volume of Box 1:" + volume1);
                    System.out.println("Volume of Box 2:" + volume2);
   }
}
```

```
import java.util.Scanner;
import java.lang.Math;
```

```
class Quad
{

	double a,b,c,dis,root1,root2;

	void input()
	{

		Scanner scanner = new Scanner(System.in);
		System.out.println("Enter the coefficients(a,b,c) in a(x^2)+b(x)+c:");
		a = scanner.nextFloat();
		b = scanner.nextFloat();
		c = scanner.nextFloat();
		scanner.close();
	}

	void calcRoots()
	{
		dis = (b*b)-(4*a*c);
		if (dis > 0)
		{
			System.out.println("Roots are real and unequal.");
			root1 = (- b + (Math.sqrt(dis)))/(2*a);
			root2 = (- b - (Math.sqrt(dis)))/(2*a);
			System.out.println("Root 1: " + root1);
			System.out.println("Root 2: " + root2);
		}
		else if(dis == 0)
		{
			System.out.println("Roots are real and equal.");
			root1 = (- b)/(2*a);
			root2 = (- b)/(2*a);
			System.out.println("Root 1: " + root1);
			System.out.println("Root 2: " + root2);
		}
		else
		{
			System.out.println("Roots are unreal.");
			double real = -b/(2 * a);
			double image = Math.sqrt(- (dis) / (2 * a));
			System.out.println("Root 1: " + real + " + i(" +(image) + ")");
			System.out.println("Root 2: " + real + " - i(" +(image) + ")");
```

```
                }
        }
}


class QuadRun
{
        static public void main(String args[])
        {
                Quad eq1 = new Quad();
                eq1.input();
                eq1.calcRoots();
        }
}
```