1. Develop a Java program that prints all real solutions to the quadratic equ $ax^2 + bx + c = 0$.

```java
import java.util.Scanner;
class Equation
{
    public static void main(String args[])
    {
        Scanner sc = new Scanner(System.in);
        double root1, root2;
        System.out.println(" Enter value of a:\n");
        double a = sc.nextDouble();
        System.out.println("Enter value of b:\n");
        double b = sc.nextDouble();
        System.out.println(" Enter value of c:\n");
        double c = sc.nextDouble();
        double det = (b*b) - (4*a*c);
        double sqrt = Math.sqrt(det);
        if (det > 0)
        {
            root1 = (-b + sqrt)/(2*a);
            root2 = (-b - sqrt)/(2*a);
            System.out.println("Roots are :" + root1 + "and"
                                     + root2);
        }
        else if (det == 0)
        {
            System.out.println("Root is :" + (-b + sqrt)/
                                     (2*a));
        }
        else if (det < 0)
        { system.out.println("Roots No real son");
```