1BM19CS053
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```java
import java.util.Scanner;
public class quadratic {
    public static void main (String [] args) {
        double a, b, c;
        Scanner input = new Scanner (System.in);
        System.out.println (" Enter the value of coefficents : ");
        System.out.print (a = "");
        a = input.nextDouble();
        System.out.print ("b=" );
        b = input.nextDouble();
        System.out.print (" c = ");
        c = input.nextDouble();
        double r1, r2;
        double d = b*b - 4*a*c;
        if (d >0) {
            System.out.println ("Real and Distinct roots. ");
            r1 = (-b + Math.sqrt(d)) / (2*a);
            r2 = (-b - Math.sqrt(d)) / (2*a);
            System.out.println (" Roots are " +r1+ " and " +r2);
        }
        else if (d==0) {
            System.out.println (" Real and Equal roots. ");
            r1 = -b/(2.0*a);
            r2=r1;
            System.out.println (" Roots are " +r1+ " and " +r2);
        }
        else
            System.out.println ("There are no real solutions.");
    }
}
```