

```

package com.company;
import java.util.Scanner;

public class Main {

    public static void main(String[] args) {
        Scanner sc= new Scanner(System.in);
        int a,b,c;
        double D,r1,r2;
        System.out.println("Enter the values of a,b ad c in Quadratic Equation
ax^2+bx+c\n");
        a= sc.nextInt();
        b= sc.nextInt();
        c= sc.nextInt();
        D=(b*b)-(4*a*c);
        if(D==0)
        {
            System.out.println("\nRoots are equal and real");
            r1=r2=D/2*a;
            System.out.println("\n"+r1+" "+r2);
        }
        else if (D>0)
        {
            System.out.println("\nRoots are real and distinct");
            r1=(-b+Math.sqrt(D));
            r2=(-b-Math.sqrt(D));
            System.out.println(r1+" "+r2);
        }
        else
        {
            System.out.println("\nRoot does not exist");
        }
    }
}

```

output;

```

Enter the values of a,b ad c in Quadratic Equation ax^2+bx+c

2
9
7

Roots are real and distinct
-4.0 -14.0

Process finished with exit code 0
|

```