

```

import java.util.Scanner;
import math java.lang.MMath;
class Quadratic
{

```

```

    public static void main (String ss[])
    {

```

```

        int a, b, c;
        float d, roots r1, r2;
        Scanner sc = new Scanner (System.in);
        System.out.println ("Enter a, b and c");

```

```

        a = sc.nextInt();

```

```

        b = sc.nextInt();

```

```

        c = sc.nextInt();

```

```

        d = b*b - 4*a*c;

```

```

        if (d > 0)
        {

```

```

            s.o. println ("The roots are real and
                           unequal");

```

```

            r1 = (-b + Math.sqrt(d)) / (2*a);

```

```

            r2 = (-b - Math.sqrt(d)) / (2*a);

```

```

            System.out.printf ("Root 1 = %.2f Root 2 = %.2f\n",
                               r1, r2);
        }

```

```

        else if (d == 0)
        {

```

```

            s.o. println ("The roots are real and
                           equal");

```

```

            r1 = (-b) / (2*a);

```

```

            r2 = r1;

```

```

            System.out.printf ("r1 = %.2f r2 = %.2f\n",
                               r1, r2);
        }

```

```

        else
        {

```

```

            s.o. println ("The discriminant discriminant
                           + d + " is negative ∴ no real
                           solution");
        }
    }
}

```