


```

    equal : " + (-b / (2*a)) + "%0.4f and %0.4f, "r1, r2);
}

```

```

else if (d < 0)
{

```

```

    system.out.println("Roots are not real andimaginary and
    complex"); " + (-b / (2*a)) + "+ i" + sqrt +
    " and " + (-b / (2*a)) + "- i" + sqrt);
}

```

```

}
}

```

Algorithm -

1. Start
2. Read / input a, b, c .
3. Define d as determinant and calculate $d = b^2 - 4ac$.
4. If $d > 0$, 2 real & distinct roots exist.
5. If $d = 0$, 2 real & equal roots exist.
6. If $d < 0$, imaginary roots (complex).
7. Print roots r_1 & r_2 for each case.
8. End