```
import · Java · Util · Scanner;
       Public class quad Equation of
     Static double find Discriminate Cfloat a, float b, float c)
         4
         double 0 = 6x6 - (4xa*c);
               return D;
          3
    static void check O (float a, float b, double D)
        8
        if (a = = 0)
   System-out-print/n ('Not a valid quad vatic equation');
          3
      else is (DZO)
System. out - print/n ("The roots are imaginary");
system out print/h ("The imaginary roots are
   '+ (-b/2*a)+"+ i" + (math-sqrt (-0) / (2*a)
      +" and" + (-b/2*a)+"-1"+
             (math-sqrt (-0) /(2*a));
```

```
erse
double r = (-b +math sqrt (0)) / (2*a);
double rz = (-b-math sqrt (0)) 1(2xa);
System-out.println ("The bots are" +rit" and "+r2).
   Z
   3
Public Static void main (string ags())
   9
Scanner S = new scanner (system inj;
system out print/h ("The equation is of the form ax2+6x+c").
system -out. Print In ("Enter the value of a, b and c respectively")
  float a = s. next float ();
  float b = S - next Float ();
 floate = S heset float ();
double 0 = find Discriminate Cashs cs.
    Check D (a, b, D)
   3
   3
```