```
V^* Develop a Java program that prints all real solutions to the quadratic equation ax2 +bx+c = 0. Read in a, b, c and use the quadratic formula. If the discriminate b2-4ac is negative, display a message stating that there are no real solutions. */
import java.util.Scanner;
class quad
      public static void main (String args[])
            System.out.println("Enter the cofficients a & b & c of quadratic equation ax2+bx+c=0 and where a is not 0"); Scanner sc = new Scanner(System.in); double a = sc.nextInt(); if (a==0)
                  System.out.println("a can't be zero");
            else
            {
    double b=sc.nextInt();
    double c=sc.nextInt();
    double z=b*b-a*a*c;
    Equation eq=new Equation();
    if (z<0);
                  System.out.println("There are no real solutions");
            }
else if(z==0)
                   System.out.println("The solutions are real and equal");
                   eq.check(a,b,c);
eq.display();
                  System.out.println("The solutions are real and distinct");
eq.check(a,b,c);
                   eq.display();
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if (sce)
{
    System.out.println("There are no real solutions");
}
} else if(z=0)
{
    System.out.println("The solutions are real and equal");
    eq.check(a,b,c);
    eq.display();
}
else
{
    System.out.println("The solutions are real and distinct");
    eq.check(a,b,c);
    eq.display();
}
}
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}
class Equation
{
double a;
double b;
double c;
double r;
fils.-b-b;
this.-c-e;
double z-math.pow(b*b-4*a*c , 0.5 );
rsc(-b-z)/(2*a);
}
void display()
{
    System.out.println(r1);
    System.out.println(r2);
}
}
```

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