om/online_java_compiler

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Main.java

```
8
9  import java.util.*;
10 public class Main{
11 public static void main(String args[])
12 {
13 double a,b,c,D,r1,r2,real,imag;
14
15 Scanner in = new Scanner(System.in);
16 System.out.println("Enter the coefficients ");
17 a = in.nextDouble();
18 b = in.nextDouble();
19 c = in.nextDouble();
20 D = (b*b)-(4*a*c);
21 if(D>0)
22 {
23 r1 = (-b + Math.sqrt(D))/(2*a);
24 r2 = (-b - Math.sqrt(D))/(2*a);
25 System.out.println("Real roots are :"+r1+" "+r2);
26 }
27 else if(D==0)
28 {
```

input

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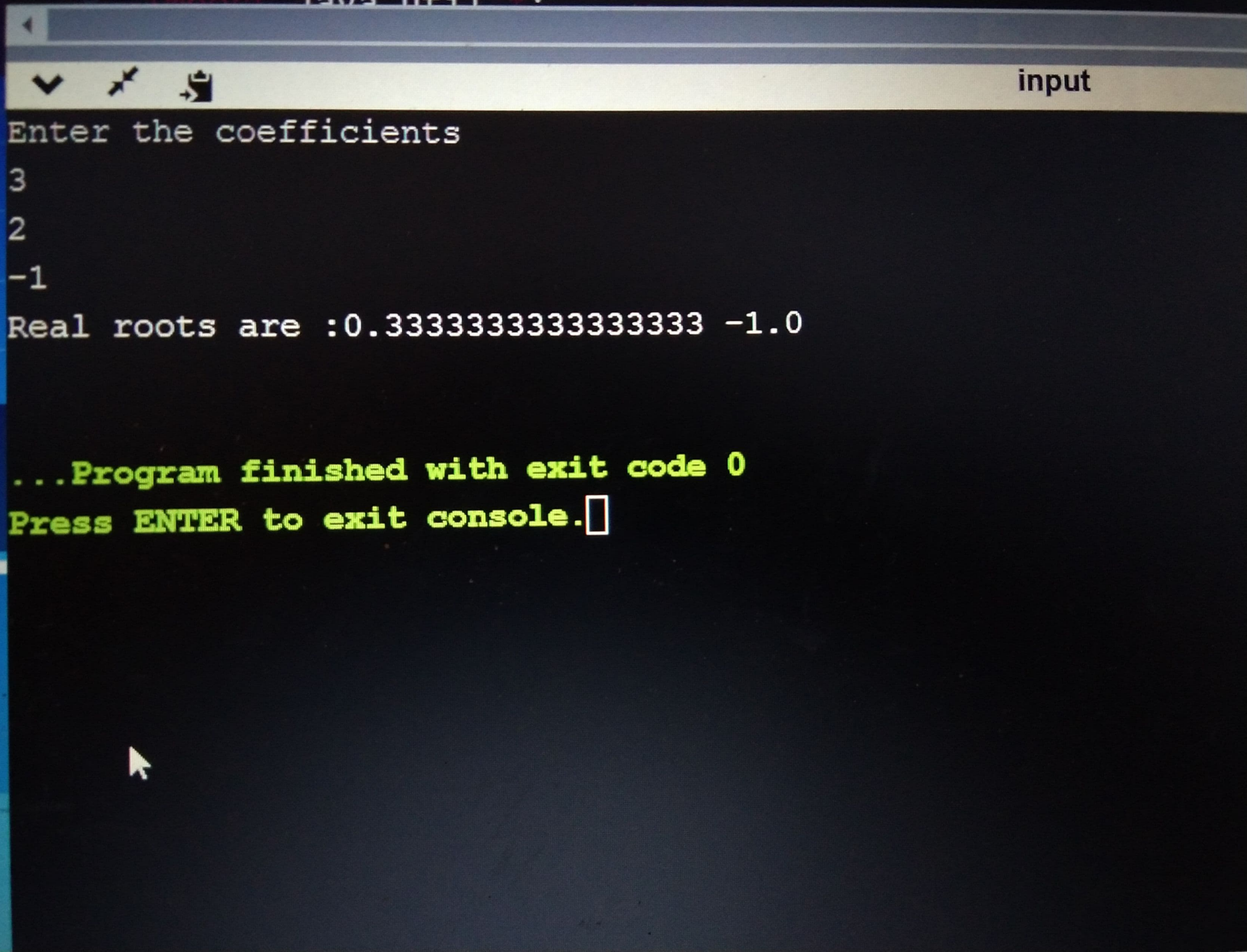
Main.java

```
20  D = (b*b)-(4*a*c);
21  if(D>0)
22  {
23  r1 = (-b + Math.sqrt(D))/(2*a);
24  r2 = (-b - Math.sqrt(D))/(2*a);
25  System.out.println("Real roots are :"+r1+" "+r2);
26  }
27  else if(D==0)
28  {
29  r1 = r2 = -b/(2*a);
30  System.out.println("Roots are equal"+r1);
31  }
32  else
33  {
34  real=-b/(2*a);
35  imag=Math.sqrt(-D)/(2*a);
36  System.out.println("Complex roots are :"+real+"+"+"i"+imag+" "+real+"-"+"i"+imag);
37  }
38  }
39  }
40
```

input


input
Enter the coefficients
3
2
-1
Real roots are :0.3333333333333333 -1.0
...Program finished with exit code 0
Press ENTER to exit console.

```
import java.util.*;
public class Main{
public static void main(string args[])
{
double a,b,c, D,r1,r2, real, imag;
Scanner in = new scanner (sytem.in);
System.out.println(" Enter the coefficients");
a= in.nextDouble();
b= in.next Double();
c= in.next Double();
D= (b*b) - (4*a*c);
if (D>0)
{
r1 = (-b + Math.sqrt(D)) /(2*a);
r2 = (-b+ Math.sqrt(D))/(2*a);
System.out.println(" Real roots are :"+r1+" "+r2);
}
else if (D==0)
{
r1 = r2 = -b/ (2*a);
System.out.println(" Roots are equal"+r1);
}
else
{
real = -b/(2*a);
imag= Math.sqrt(-D)/(2*a);
System.out.println(" complex roots are :"+real+"+"
+"+"i"+ img +" "+real+"-"+"i"+imag);
}}
```