

```
1 // This program finds a zero
2 import java.util.Scanner;
3
4 public class Zero {
5     public static void main(String[] args) {
6         Scanner console = new Scanner(System.in);
7         double min = -1.0;
8         double max = 1.0;
9         System.out.print
10            ("Find leftmost zero over (" + min + ", " + max + ").");
11         System.out.println("ax^3 + bx^2 + cx + d = 0");
12         System.out.print("Give coefficients a b c d = ");
13         double a = console.nextDouble();
14         double b = console.nextDouble();
15         double c = console.nextDouble();
16         double d = console.nextDouble();
17
18         double x = findZero(min, max, a, b, c, d);
19
20         if (x > max || x < min)
21             System.out.println(" no solution in the interval");
22         else
23             System.out.println(" x = " + x);
24     }
25     public static double findZero(double min, double max,
26                                   double a, double b, double c, double d) {
27         double x = 0.0;
28         return x;
29     }
30 }
31
```