

src\Lab5.java

```
1  /*
2  Name: Hunter Poole
3  Date: 2/24/25
4  Lab #: 5
5  Source Code: Lab5.java
6  Action: Determines if a number is positive, negative or zero.
7          Stores # of positives, negatives, and zeros. Displays
8          count on exit.
9          Only takes Y || y for start/continue. N || n for quit.
10 */
11
12 import java.util.Scanner;
13
14 public class Lab5
15 {
16
17     public static void main(String[] args)
18     {
19         int Num, Positive = 0, Negative = 0, Zero = 0;
20         char Ch;
21
22         Scanner Input = new Scanner(System.in);
23         System.out.print("Do you want to start Y/N ");
24         Ch = Input.next().charAt(0);
25
26         while ((Ch != 'N' || Ch != 'n') && (Ch == 'Y' || Ch == 'y'))
27         {
28             System.out.print("Enter integer ");
29             Num = Input.nextInt();
30
31             if (Num > 0)
32             {
33                 Positive++;
34                 System.out.println("Positive");
35             }
36             else if (Num == 0)
37             {
38                 Zero++;
39                 System.out.println("Zero");
40             }
41             else
42             {
43                 Negative++;
44                 System.out.println("Negative");
45             }
46
47             System.out.printf("%n%s", "Do you want to continue Y/N ");
```

```
48         Ch = Input.next().charAt(0);
49
50     }
51
52     if (Ch == 'N' || Ch == 'n')
53     {
54         System.out.printf("%s %d %n%s %d %n%s %d", "Positive =", Positive,
55                             "Negative =", Negative, "Zero      =", Zero);
56     }
57 }
58 }
59
60 /*
61 Do you want to start Y/N y
62 Enter integer 6
63 Positive
64
65 Do you want to continue Y/N Y
66 Enter integer 7
67 Positive
68
69 Do you want to continue Y/N y
70 Enter integer -5
71 Negative
72
73 Do you want to continue Y/N Y
74 Enter integer 0
75 Zero
76
77 Do you want to continue Y/N n
78 Positive = 2
79 Negative = 1
80 Zero      = 1
81 */
82
83 // Additional test
84
85 /*
86 Do you want to start Y/N Y
87 Enter integer 400
88 Positive
89
90 Do you want to continue Y/N y
91 Enter integer -612
92 Negative
93
94 Do you want to continue Y/N Y
95 Enter integer 0
96 Zero
```

```
97 |
98 | Do you want to continue Y/N n
99 | Positive = 1
100 | Negative = 1
101 | Zero      = 1
102 | */
103 |
104 | // Bad input test
105 |
106 | /*
107 | Do you want to start Y/N H
108 | */
```