

Lab9\src\Lab9.java

```
1  /*
2  Name: Hunter Poole
3  Date: 4/2/25
4  Lab #: 9
5  Source Code: Lab9.java
6  Action: Collects 3 numbers. Passes those three to a function
7           that determines which one is the largest. Prints which
8           one is the largest.
9  */
10
11 import java.util.Scanner;
12
13 public class Lab9 {
14
15     /*
16     Action: Finds and returns the largest of three ints.
17     Parameters: int X, Y, Z.
18     Returns: Either X Y or Z - largest of the three.
19     Precondition: Requires three integers of unequal size.
20     */
21     static int FindLargestOfThree (int X, int Y, int Z)
22     {
23         if (X > Y && X > Z)
24         {
25             return X;
26         }
27         else if (Y > X && Y > Z)
28         {
29             return Y;
30         }
31         else
32         {
33             return Z;
34         }
35     }
36     public static void main(String[] args)
37     {
38         int FirstInt, SecondInt, ThirdInt, Largest;
39         char Continue;
40
41         do
42         {
43
44             Scanner Input = new Scanner(System.in);
45             System.out.print("Please enter integer 1: ");
46             FirstInt = Input.nextInt();
47
```

```
48         System.out.print("Please enter integer 2: ");
49         SecondInt= Input.nextInt();
50
51         System.out.print("Please enter integer 3: ");
52         ThirdInt = Input.nextInt();
53
54         Largest = FindLargestOfThree(FirstInt, SecondInt, ThirdInt);
55
56         System.out.printf("%d %s%n%n", Largest, "is the largest of the three");
57         System.out.print("Continue? Y or N: ");
58         Continue = Input.next().charAt(0);
59
60     } while (Continue != 'N' && Continue != 'n');
61 }
62 }
63
64 /*
65 Please enter integer 1: 5
66 Please enter integer 2: 4
67 Please enter integer 3: 1
68 5 is the largest of the three
69
70 Continue? Y or N: Y
71 Please enter integer 1: 18
72 Please enter integer 2: 44
73 Please enter integer 3: 27
74 44 is the largest of the three
75
76 Continue? Y or N: Y
77 Please enter integer 1: 101
78 Please enter integer 2: 100
79 Please enter integer 3: 102
80 102 is the largest of the three
81
82 Continue? Y or N: Y
83 Please enter integer 1: 100
84 Please enter integer 2: 100
85 Please enter integer 3: 100
86 100 is the largest of the three
87
88 Continue? Y or N: N
89 */
```