

src/Lab7.java

```
1  /*
2  Name: Hunter Poole
3  Date: 3/26/25
4  Lab #: 7
5  Source Code: Lab7.java
6  Action: Takes two integers, and subtracts the second from the first.
7          Displays result and a large positive or negative sign.
8          Loops until integer1 = integer2.
9  */
10
11 import java.util.Scanner;
12
13 public class Lab7
14 {
15
16     /*
17     Action: Displays a big positive sign made of asterisks
18     Parameters: None
19     Returns: void
20     Precondition: None
21     */
22
23     static void BigPositive()
24     {
25         System.out.printf("%n%5c%n%5c%n%c%c%c%c%c%c%c%c%c%c %n%5c %n%5c %n%n",
26             '*', '*', '*', '*', '*', '*', '*', '*', '*', '*', '*', '*', '*', '*');
27     }
28
29     /*
30     Action: Displays a big negative sign made of asterisks
31     Parameters: None
32     Returns: void
33     Precondition: None
34     */
35
36     static void BigNegative()
37     {
38         System.out.printf("%n%c%c%c%c%c%c%c%c%c%c%c%n",
39             '*', '*', '*', '*', '*', '*', '*', '*', '*', '*', '*', '*');
40     }
41
42     public static void main (String[] args)
43     {
44         int Num1, Num2, Difference;
45
46         Scanner Input = new Scanner(System.in);
47     }
```

```
48         do
49         {
50             System.out.print("Please enter two integers to subtract" +
51                             " , same two to quit --> ");
52             Num1 = Input.nextInt();
53             Num2 = Input.nextInt();
54
55             Difference = Num1 - Num2;
56
57             if (Difference != 0)
58             {
59                 System.out.printf("%n%s %d %n%s%n", "The answer is:", Difference,
60                                     "And expression is: ");
61             }
62
63             if (Difference > 0)
64             {
65                 BigPositive();
66             }
67             else if (Difference < 0)
68             {
69                 BigNegative();
70             }
71
72         } while (Num1 != Num2);
73     }
74 }
75
76 /*
77 Please enter two integers to subtract , same two to quit --> 5 3
78
79 The answer is: 2
80 And expression is:
81
82     *
83     *
84 *****
85     *
86     *
87
88 Please enter two integers to subtract , same two to quit --> 3 5
89
90 The answer is: -2
91 And expression is:
92
93 *****
94
95 Please enter two integers to subtract , same two to quit --> 17 4
96
```

```
97 The answer is: 13
98 And expression is:
99
100      *
101      *
102 *****
103      *
104      *
105
106 Please enter two integers to subtract , same two to quit --> 28 28
107 */
```