src/Lab7.java

```java
1   /*
2   Name: Hunter Poole
3   Date: 3/17/25
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%c%n%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
```

```java
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   */
```