COMP 1409 Lab3a

Working with an int[] and for loops.

Create a program that does the following:

1. creates an int[] of length 10 that holds the values 1 to 10. Use a for loop to initialize the array elements
2. display the int[] backwards, from the last element to the first. Use a for loop to do this.
3. display the sum of two adjacent elements for each element in the array, ie element 0 + element 1, element 1 + element 2,… Use a for loop to do this.

The output should look exactly like this:

```
[10, 9, 8, 7, 6, 5, 4, 3, 2, 1]
The sum of 0 and 1 is 3
The sum of 1 and 2 is 5
The sum of 2 and 3 is 7
The sum of 3 and 4 is 9
The sum of 4 and 5 is 11
The sum of 5 and 6 is 13
The sum of 6 and 7 is 15
The sum of 7 and 8 is 17
The sum of 8 and 9 is 19
```

Test your code thoroughly to make sure the various possibilities generate the correct output.

Show me when you are done.