Lab Goal: This lab was designed to introduce you to arrays.

Lab Description: Take in an integer array and perform several operations on that array. Determine if the values in the array are all going up, if the values in the array are all going down, and return an array that contains a set of values greater than a particular value.

An array that is going up will contain values that increase. [1,2,3,4,5] is going up. [1,2,3,0,8] is not going up.
An array that is going down will contain values that decrease. [5,4,3,2,1] is going down. [5,4,9,1,0] is not going down.

File Needed: ArrayFunHouseTwo.java
ArrayFunHouseTwoRunner.java

Sample Data:
[1,2,3,4,5,6,7,8,9,10]
[1,2,3,9,11,20,30]
[9,8,7,6,5,4,3,2,0,-2]
[3,6,9,12,15,18,21,23,19,17,15,13,11,10,9,6,3,2,1,0]

Sample Output:
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
is going Up ? true
is going Down ? false
first 5 values greater than 5 - [6, 7, 8, 9, 10]

[1, 2, 3, 9, 11, 20, 30]
is going Up ? true
is going Down ? false
first 5 values greater than 5 - [9, 11, 20, 30, 0]

[9, 8, 7, 6, 5, 4, 3, 2, 0, -2]
is going Up ? false
is going Down ? true
first 5 values greater than 5 - [9, 8, 7, 6, 5]

[3, 6, 9, 12, 15, 18, 21, 23, 19, 17, 15, 13, 11, 10, 9, 6, 3, 2, 1, 0]
is going Up ? false
is going Down ? false
first 5 values greater than 5 - [6, 9, 12, 15, 18]

Things To Turn In:

1. ArrayFunHouseTwo.java

In Order to Get Full Credit:

1. Use a loop to traverse the array
2. Correctly use the index notation
3. Do not go out of bounds!
4. Comment!!!