

Lab 14a: Introduction to Arrays

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

Lab Description: Write several array manipulation methods. One method will sum up a section of a provided array, another methods will count up how many of a certain number occurs in the array, and the last method will remove all of a certain value from the array.

File Needed: ArrayFunHouse.java
ArrayFunHouseRunner.java

Sample Data:

[7, 4, 10, 0, 1, 7, 6, 5, 3, 2, 9, 7]

[7, 4, 2, 7, 3, 4, 6, 7, 8, 9, 7, 0, 10, 7, 0, 1, 7, 6, 5, 7, 3, 2, 7, 9, 9, 8, 7]

Sample Output:

[7, 4, 10, 0, 1, 7, 6, 5, 3, 2, 9, 7]

sum of spots 3-6 = 14

sum of spots 2-9 = 34

of 4s = 1

of 9s = 1

of 7s = 3

new array with all 7s removed = [4, 10, 0, 1, 6, 5, 3, 2, 9]

of 7s = 0

[7, 4, 2, 7, 3, 4, 6, 7, 8, 9, 7, 0, 10, 7, 0, 1, 7, 6, 5, 7, 3, 2, 7, 9, 9, 8, 7]

sum of spots 3-16 = 76

sum of spots 2-9 = 46

of 0s = 2

of 3s = 2

of 7s = 9

new array with all 7s removed = [4, 10, 0, 1, 6, 5, 3, 2, 9]

of 7s = 0

Things To Turn In: 1. ArrayFunHouse.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!!!

