Computer Science	Array 1 – ARRAY FUN HOUSE I	Lab Value - 100

Lab Goal : This lab was designed to teach you how to use an array.

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

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
```

Files Needed ::
ArrayFunHouse.java
ArrayFunHouseRunner.java

basic array code

```
int[] array = {3,4,5,65,6,7,8,81};
for(int i=0; i<array.length; i++)
{
   out.println(array[i]);
}
```