

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

Lab Description : Take a list of numbers that range in value from 0 to 9 and output how many occurrences of each number exist.

Sample Data :

1 5 3 4 5 5 5 4 3 2 5 5 5 3
2 3 4 5 6 7 8 9 0 2 3 5 6 8 8 8 9 4 5
2 3 4 5 6 7 8 2 0 2 3 5 6 8 8 8 9 4 5

Files Needed ::

Histogram.java
HistogramRunner.java

Sample Output :

0 - 0
1 - 1
2 - 1
3 - 3
4 - 2
5 - 7
6 - 0
7 - 0
8 - 0
9 - 0

0 - 1
1 - 0
2 - 2
3 - 2
4 - 2
5 - 3
6 - 2
7 - 1
8 - 4
9 - 2

0 - 1
1 - 0
2 - 3
3 - 2
4 - 2
5 - 3
6 - 2
7 - 1
8 - 4
9 - 1

algorithm help

```
//instance variable
int[] numCount;

//code in the set method

//size the array
numCount = new int[10];

//get a number
number = chopper.nextInt();

//bumps up count by one
numCount[number] = numCount[number]+1;
```