src\ArrayDemo.java

```
import java.util.Arrays;
 1
 2
 3
    public class ArrayDemo {
 4
        public static void main(String[]args){
 5
            int[] a = \{1,2,3\};
            String s = "helloworld";
 6
 7
            String x = "spot";
            String y = "stop";
 8
 9
            String x1 = "Banana";
10
            String y1 = "Nab";
11
12
            System.out.println(Arrays.toString(letterHist(s)));
13
            System.out.println(isAnagram(x, y));
14
            System.out.println(canSpell(x1, y1));
15
16
17
18
        public static void modifer(int[] a){
19
            for (int i = 0; i < a.length; i++) {</pre>
20
                 a[i]= Math.abs(a[i]);
21
22
        }
23
        public static int[] functional(int[] a){
24
25
            int[] b = new int[a.length];
            for (int i = 0; i < a.length; i++) {</pre>
26
27
                b[i] = a[i];
28
            }
29
        return b;
30
31
        public static int[] letterHist(String s){ //7.7
            int [] counts = new int[26];
32
33
            String lower = s.toLowerCase();
34
35
            for (int i = 0; i < lower.length(); i++) {</pre>
36
            char letter = lower.charAt(i);
37
            // int index = 0;
38
            int index = (int) letter - 'a';
39
            counts[index]++;
40
41
            }
42
         return counts;
43
        public static boolean isAnagram(String x, String y){ //7.8
44
45
            int[] arrX = letterHist(x);
46
            int[] arrY = letterHist(y);
47
            for (int i = 0; i < arrX.length; i++) {</pre>
48
                 if (arrX[i] == arrY[i]) {
49
                 return true;
50
            }
51
52
           return false;
53
```

public static boolean canSpell (String x, String y){ //6.6

int[] arrX = letterHist(x);

int[] arrY = letterHist(y);

return true;

}

return false;

}

}

if (arrX[i] < arrY[i]) {</pre>

for (int i = 0; i < arrX.length; i++) {</pre>

```
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      }
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```

```
localhost:54890/0a01a716-1881-4385-8ad5-0b8c0a7bcb7e/
```