

Week 1 – Day 2 Assignment (February 19th, 2026)

Question 1 – Occurrence of Largest Number

```
1 package questions.largest_number_occurrence;
2
3 import java.util.ArrayList;
4 import java.util.Arrays;
5 import java.util.HashMap;
6 import java.util.Scanner;
7
8 public class Solution {
9     public void computeLargestNumberAndOccurrence() {
10         ArrayList<Integer> nums = new ArrayList<>();
11         Scanner numsScanner = new Scanner(System.in);
12
13         System.out.print("Please enter your numbers: ");
14         int val = numsScanner.nextInt();
15         if (val != 0) {
16             nums.add(val);
17         }
18
19         while (val != 0) {
20             val = numsScanner.nextInt();
21             nums.add(val);
22         }
23         System.out.println("You entered: " + Arrays.toString(nums.toArray()));
24
25         int maxVal = Integer.MIN_VALUE;
26         Object[] numsArray = nums.toArray();
27         HashMap<Integer, Integer> freqMap = new HashMap<>();
28
29         for (Object o : numsArray) {
30             if (freqMap.containsKey((int) o)) {
31                 int freq = freqMap.get((int) o) + 1;
32                 freqMap.replace((int) o, freq);
33             } else {
34                 freqMap.put((int) o, 1);
35             }
36             if ((int) o > maxVal) {
37                 maxVal = (int) o;
38             }
39         }
40
41         System.out.println("The largest number is " + maxVal);
42         System.out.println("The occurrence count of the largest number is " + freqMap.get(maxVal));
43     }
44 }
```

```
1 package questions.largest_number_occurrence;
2
3 public class Main {
4     public static void main(String[] args) {
5         Solution sol = new Solution();
6
7         sol.computeLargestNumberAndOccurrence();
8     }
9 }
```

Run Main

```
/Library/Java/JavaVirtualMachines/jdk-1.8.jdk/Contents/Home/bin/java ...
Please enter your numbers: 3 5 2 5 5 5 0
You entered: [3, 5, 2, 5, 5, 5, 0]
The largest number is 5
The occurrence count of the largest number is 4
Process finished with exit code 0
```

Question 2 – Custom int Wrapper Class

