**TASK 2**

**PCS 408**

1. Implement a program in java to

* Count the Occurrences of Each Element in an Array
* find the second largest element in an array.

2 Implement a program in java to find the occurrence of the element appearing maximum times the array.

***Typical Input*:** [3, 3, 4, 2, 4, 4, 2, 4, 4]  
***Typical* *Output*:** 4

3.Implement a program that finds the subarray with the largest sum in a given array.

***Typical Input:*** *[1, -2, 3, 4, -1, 2, 1, -5, 4]****Typical Output*:** 9 (subarray [3, 4, -1, 2, 1])

4. Implement a java program to delete vowels from given string using String and StringBuffer class.

5.Implement a program in java to count the frequency of each character in a string.

**Typical Input:** aabccde

**Typical Output:**  
a: 2  
b: 1  
c: 2  
d: 1  
e: 1