

**Week 0 Lab B : 03 Aug-06 Aug**  
**Practice Lab Topic: Arrays**

**Note: Use dynamic array for all the questions.**

1. Write a program to find the average of n numbers using arrays.
2. Write a program to find the frequency of each element in an array.

**Example:**

**Input:** array = {1, 2, 3, 5, 2, 9, 7, 3, 5}

**Output:**

1 occurs 1 times  
2 occurs 2 times  
3 occurs 2 times  
5 occurs 2 times  
7 occurs 1 times  
9 occurs 1 times

3. Given an array, write a program to left rotate the elements of the array by one.

Example:

Array Elements before rotating: 1 2 3 4 5 6 7

Array Elements after rotating: 2 3 4 5 6 7 1

4. Write a program to find the second smallest element in a one dimensional and two dimensional arrays.

Example: Input: Array size: 4

Elements: 32 54 -6 -15

Output: -6