NATIONAL INSTITUTE OF TECHNOLOGY CALICUT
Department of Computer Science and Engineering
Winter Semester 2017-2018

CS2093 Hardware Laboratory

Assignment set 2: Integer Array Handling

Instructions

- *All the assignments should be submitted through Eduserver.*

- *Pen drives are not permitted inside the lab.*

- *Practice problems will not be evaluated.*

Practice Questions.

1. Write a program to read two 16 bit numbers add them and print the result.

2. Write a Program to calculate Sum & Average of an Array.

3. Write a program to find the most repeated element in an array.

4. Write a program to search for a number in an array of numbers using binary search and linear search.

5. Write a program to accept 10 numbers into an array and find the largest and smallest number.

6. Write a program to read two matrices and find their product and sum.

7. Write a program to read a matrix and find the transpose.

Assignment Problems.

1. Enter two numbers 'a' and 'b' and identify which are the numbers in array is divisible by both 'a' and 'b'. Length of array is 'n'.

2. Write a program to identify number of even and number of odd numbers in an array of length n.

3. Write a program to sort an array of numbers in descending order using bubble sort.

4. Write a program to interchange diagonals of a matrix.

5. Write a program to read a matrix and rotate it by 90 degree.