

Indian Institute of Engineering Science and Technology, Shibpur
Department of Information Technology

Data Structure Laboratory 2021

Assignment – 1

BATCH: HY

Date: 31st August 2021

Due date: 7th September 2021

1. Write a program in C to find the third largest from the given array of integers without sorting.
2. Given an array of n integers, write a C program for reversing the contents of the array without using another array.
3. Write a C program to add and subtract two integers having at least 10 digits each.
4. Write a C program to find the frequency of a character present in the text given in a file.
5. Write a program in C to store a sparse matrix of order $n \times n$ efficiently which will take less space than the normal way of storing a matrix.