

# Data Structure Lab 2016

## Assignment 1

1. Write a program in C to find the largest and smallest element in an array.
2. Given an array of n integers, write C program for reversing the contents of the array without using another array.

For example, if the array is 10 15 3 30 3 the output should be 3 30 3 15 10. Note you may use one temporary variable.

3. Write a program in C to check whether a given string is Palindrome or not by using pointers.
4. Write a program in C to create two functions to convert binary number to decimal and vice-versa.

## Assignment 2

1. Create and initialize a Stack . Implement the basic operations of the stack.
2. Store some elements like 'a','b','c','d'..... as per order and delete them from stack and display the results.
3. Use your stack to check whether a string is Palindrome or not.