Data Structures (Lab)
Assignment-2

Date: 17-Aug-2020

1. WAP in C to implement Call by Value and Call by Reference mechanisms.
2. WAP in C to implement three different ways to swap two variables without using a third variable.
3. WAP in C to implement the following programs using recursion.
   a) Factorial
   b) Fibonacci Series
   c) Greatest Common Divisor
   d) Linear Search
   e) Binary Search

4. Write a C Program for **implementation of STACK** using Array, the basic operations of **stack** are PUSH (), POP () and DISPLAY (). PUSH function in the code is used to insert an element to the top of **stack**, POP function used to remove the element from the top of **stack**.
5. Write C Program for MERGING of Two Arrays without using Third Array.
6. Write a C program to store temperature of two cities of a week and display it using 2-dimensional array.
7. Write a C Program to calculate the sum of array elements by passing to a function when elements of array entered by user.