

## Data and File Structures Lab

### Assignment-1

1. Write a menu-driven program in C to perform the following operations in an integer array allocated memory dynamically. The list may grow or shrink compared to the initial allocation as and when required. Multiple operations may be performed on the existing list without recompiling/re-executing the program. The individual operation should be implemented using a single function.

List of operations:

- a) *Create,*
- b) *Display entire list,*
- c) *Count,*
- d) *Reverse the list (reverse list should be stored in the same array)*
- e) *Index of an element,*
- f) *Indexed element,*
- g) *Insert,*
- h) *Delete,*
- i) *Merge,*
- j) *Split,*
- k) *Sort,*
- l) *Search*