Data Structures and Algorithms Lab Assignment-4

- 1. Write a menu-driven program (both recursive and iterative) to implement the following searching techniques using an array
- (a)Linear or sequential search (b) Binary search
- 2. Write a menu-driven program to implement the following sorting techniques using an array
- (a) Bubble sort (b) Insertion sort (c) Selection sort
- 3. Write a menu-driven program to implement the following sorting techniques using a single linked list (interchanging data)
 - (a) Bubble sort (b) Insertion sort (c) Selection sort
- 4. Write a menu-driven program to implement the following sorting techniques using a single linked list (interchanging links)
 - (a) Bubble sort (b) Insertion sort (c) Selection sort
- 5. Write a menu-driven program to implement the following sorting techniques using an array (recursive functions)
- (a) Quick sort (b) Merge sort