**CS224: Algorithms Lab**

**Assignment No - 1**

**Submission deadline - 10.08.2016**

|  |
| --- |
| 1. Write recursive functions for solving each of the following problem. Do not use array. You must write single recursive function for each of the problems given below. Write a main program that reads in an integer and finds out the following    1. The largest digit in the number    2. The number of odd digits in the given number    3. The largest and smallest digit in the given number.   Filename: assg01a.c   1. Develop a menu driven program to manage a linked list of integers by implementing the following functions    1. Insert at the front    2. Insert at the end    3. Delete from front    4. Delete from the end    5. Delete largest    6. Delete smallest    7. Display   Filename: assg01b.c |