

Sardar Vallabhbhai National Institute of Technology, SVNIT, Surat
B.Tech. CSE I Sem II
Data Structures (CS102)
LAB Assignment 7

Goal:

- To understand the Linked List with its operations.
- To understand the use of memory allocation and deallocation functions.
- To write the reusable functions for later usage in this subject.

Write memory allocation/deallocation functions to perform the following and also prepare a header file with those functions to use them:

1. Write a C program to implement queue using linked list. Perform necessary operations.
2. Write a menu driven C program to create a doubly linked list and perform the following operations (Consider all the scenario):
 - a. Insertion
 - b. Deletion
 - c. Search