

COSC 2007 LAB: Data Structure II

LAB#1

Purpose:

The purpose of this lab is to implement linked list (Revision).

Before starting the coding, write an algorithm of the following problems

Exercise#1

Write a program to create 10 nodes using doubly linked list then find the followings.

- Insert a node between any two nodes
- Insert a node at last
- Insert a node at first
- Delete a node between any two nodes
- Display the items of all the nodes.

What to submit: The submission is the Exercise1

How to submit a lab Assignment: Lab assignment can submit either java file of text file with appropriate comments. Student name, section and ID number should be written at the top of a program as the comments. You can submit assignment through Lab#1 link under assignments in your Moodle account.

Submission Due: The submission due is during the lab time

Submission Report Format:

Lab No

<Course Name>

<Student Name>

<Student Number>

<Section>

Exercise No:

<Type the question here>

Pseudocode/Algorithm:

Describe a solution by writing the steps clearly

Code:

<paste your code here that should be run>

Output:

<paste 3 out outputs one after the other, each for a unique set of inputs>

Conclusion:

Summary of the work