[CSL202]-Data Structures **2024-25-M**

LAB-VII

Date: **Sep 12, 2024**.

You need to upload your solutions of Q1, Q2, and Q3(a) (Q3(b) is optional) to canvas portal before 05:35pm on Sep 12, 2024.

1. Given a binary search tree (BST) T, write program to check whether T is an AVL tree or not.
2. Given an AVL tree T, write program to compute the height of every node in T.
3. Write a program that builds a AVL tree and supports the following operations. You can assume that the key values are distinct and positive integers.
   (a) Insert an element
   (b) Delete an element