

IIT Guwahati, Dept of CSE, CS331: Prog. Lang Lab

Assignment IV: Advanced Haskell Programming

Submission Deadline: 11.55 PM IST, 20th March 2025

(Demo on 26th March)

- A) Get a list of numbers separated by commas from the keyboard and parse the same to a list of numbers in Haskell. Your program should prompt to enter a list of number separated by commas.
- B) Create a Binary Search Tree (BST) of the list of the number (from question A) and print the elements of the BST in Pre-order, post-order, and in-order traversing.
- C) Create Breadth First Search (BFS) tree of the constructed BST and print in BFS order.

Submission Procedure:

- Upload your assignments code in the compressed folder (tgx/zip/gz) to MS team Grp_PLLab-CS331-2025 before the deadline.
- **Please embed comments, how to run and required inputs properly in the code**
- **Embedd test cases for each functions.**
- **Plagiarism case leads to F grades for both source candidate and destination candidate.** Make your code different from the internet code if available freely.