Algorithms and Data Structures for Data Science

lab_trees

CS 277
Brad Solomon

October 15, 2021
Learning Objectives

Practice storing information in a binary tree

Implement structural functions and traversal functions

Practice manipulating tree structures while preserving content
Binary Tree

A **binary tree** is a tree $T$ such that:

$T = None$

or

$T = \text{treeNode}(val, T_L, T_R)$
Height

The length of the longest path from the root to a leaf
In-Order Traversal