CSC 300 – Data Structures

Binary Search Trees Handout

**Binary Search Trees Handout**

What are binary search trees? It is a node based binary tree data structure which has the following properties:

* The left subtree of a node contains only nodes with keys lesser than the node’s key
* The right subtree of a node contains only nodes with keys greater than the node’s key
* The left and right subtree each must also be a binary search tree

A picture containing indoor, crossword puzzle, text

Description automatically generated

If you scan the QR code to the left, you can read a little bit more about binary search trees and their benefits and uses. Binary search trees can be useful to store data and access/retrieve data easily.

A picture containing crossword puzzle, piece, black, indoor

Description automatically generated

The QR code to the right will bring up a helpful video in understanding how tree traversals work. Traversals can be tricky to understand at first but are important to know how you can navigate and get the information you need.