B-Trees Lab

Advanced Computer Science ∙ Shockey 1A

1/18/2017

## **Topics Covered**

This lab will help cover the follow concepts related to B-Trees:

* One thing
* Two things
* Three things

## **Goal**

Implementing B-Trees in C++ can get pretty confusing, especially if you’re learning how B-Trees work for the first time, so the aim of this lab will be pretty simple.

You will

## **Instructions**

**Question:** …?

## **Resources**

* [B-Tree Software Design Using C++, Saint Vincent College](http://cis.stvincent.edu/html/tutorials/swd/btree/btree.html)
* [GeeksforGeeks B-Tree Tutorial](http://www.geeksforgeeks.org/b-tree-set-1-introduction-2/) (It’s what this lab is based off of!)

Some other implementations of B-Trees in C++:

* [Touc.org example](http://touc.org/btree.html)
* [Samfoundry example](http://www.sanfoundry.com/cpp-program-implement-b-tree/)

**Further Reading:**

* *Symmetric binary B-Trees: Data structure and maintenance algorithms* (Bayer and McCreight 1972)
* *Data Structures and Algorithm Analysis*, ed. 3.2 (Shaffer 2013) Chapter 10.5
* *B-Trees, Shadowing, and Clones* (Rodeh 2007)