Data Structures 12/2/2016

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ANNOUNCEMENTS

Notes:

PowerPoint: <http://home.adelphi.edu/~siegfried/cs343/343l7.pdf>

Topic: Hashing

* Looking up a hashed value has complexity ***O***(1). Hashes are a way of compressing a key into a small value called a has value. These values are stored in a hash table.
* Hash functions may hash two distinct keys to the same value. This is known as hash collision. In such a case, the colliding hash is usually *rehashed*. Rehashing is often done by storing the key in the next available slot in memory.
* note that Hash Tables are super important data structures! It makes lookup/search very easy. See the PowerPoint for a sample implementation of a hash table