

CSCA48 SUMMER 2017

WEEK 7 - BINARY SEARCH TREES

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UNIVERSITY OF
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ADMIN

- Reading week (Tues-Fri)
- No lectures/tutorials/etc

BINARY SEARCH TREES (BSTs)

- Special type of binary tree
- For all nodes n :
$$n.\text{left.data} \leq n.\text{data} \leq n.\text{right.data}$$
- Moreover, all nodes in left subtree $\leq n \leq$ all nodes in right subtree

BINARY SEARCH TREES (BSTs)

- BSTs make it easy to search for data (thus the name)