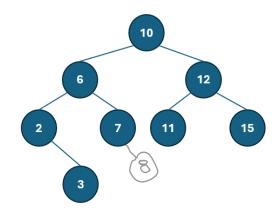
CS 5012: Foundations of Computer Science

uwa6xv 10/2/2024 In class review:



Given the above Binary Search tree, insert a node with value 8.

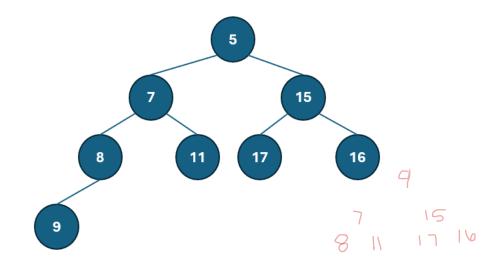
Given the new BST, remove node 6.

Given the following Heap, perform the remove() operation.

Removing the 10, we replace it with the last value in the tree, which is currently 16.

Given the resulting heap, add 5 to the heap.

In class group assignment:



Given the above Heap, perform the following operations:

- remove()
- remove()

List the in-order traversal of the tree at this point (5pts)

●add(12)

16,9,11,8,17,15

- •add(18)
- -add(6)

List the in-order traversal of the tree at this point (5pts)

18,9,16,8,11,6,17,12,15