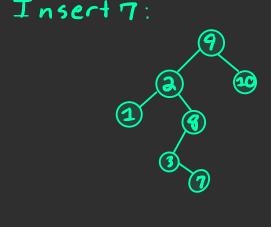
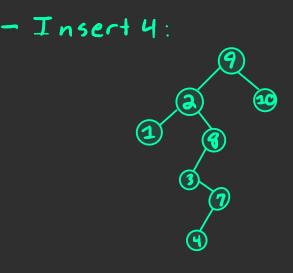
Carter Homework 1: BST Mullenix - Start with empty tree and Insert 4: - Insert 2 2 is smaller than 9 so it goes to the left. - Insert 1 1 is smaller than 9 and 2, so it goes to the left of 2. - Insert 10: 10 is larger than 9 So it goes to the right of 9. - Insert 8: 8 is smaller than 9 but larger than 2 so it goes to the right of a.

- Insert 3:

3 is smaller than 9, larger than 2, and 5 maller than 8, so it goes to the left of 8.

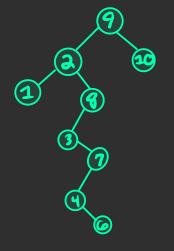


7 is smaller than 9, larger than 2, smaller than 8, and larger than 3, so it goes to the right of 3.



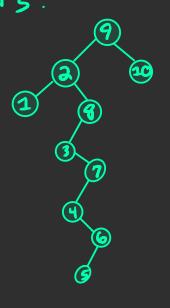
4 is smaller than 9, larger than 2, smaller than 8, larger than 3, and smaller than 7, so it goes to the left of 7.

- Insert 6:



Gis smaller than 9, larger than 2, smaller than 3, smaller than 7, and larger than 4, so it goes to the right of 4.

- Insert 5:



5 is smaller than 9, larger than 2, smaller than 3, smaller than 7, larger than 4, and smaller than 6, so it goes to the left of 6.

- Delete 9:



If you delete

9, 8 gets promoted

because it is the
largest on the left
and 3 goes to
the right of 2.

- Insert 9:



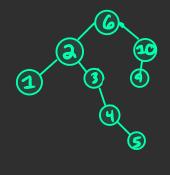
9 is larger than 8 and smaller than 10, so it goes to the left of 10.

- Delete B :



If you delete B, 7 gets promoted and 4 goes to the right of 3.

- Delete 7:



If you delete
7,6 gets promoted
and 5 goes to the
right of 4.