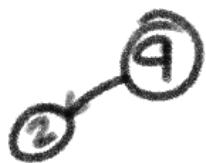


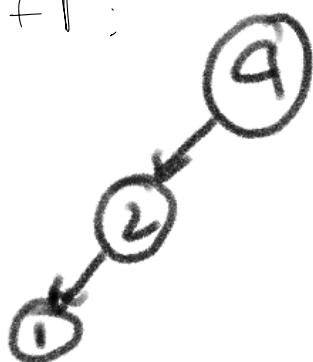
Start with empty tree and 4: ④

Now insert 2:



$4 > 2 = \text{left}$

Now insert 1:



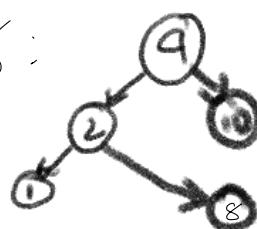
$2 > 1 = \text{left}$

Now insert 10:



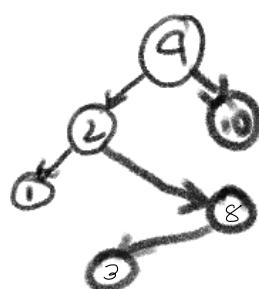
$10 > 4 = \text{right}$

Now insert 8:



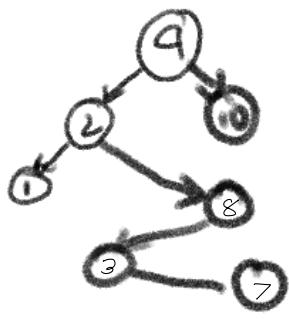
$8 < 4$ greater than 2
left of 4 right at 2

Now insert 3:



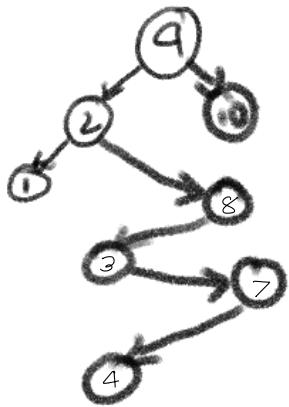
$3 < 8$ greater than 2
left of 8

Now insert 7:



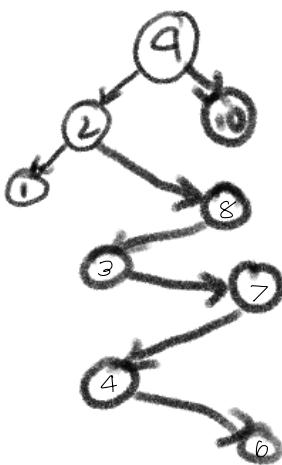
$7 > 3$ but greater than 2
right of 3

Now insert 4:



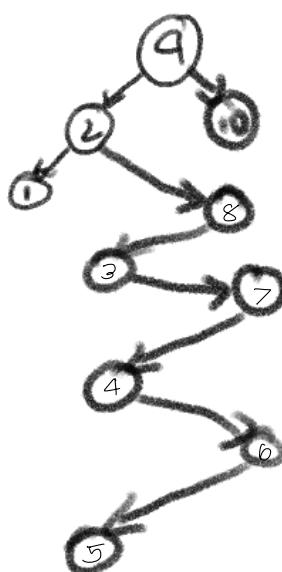
$4 < 7$ greater than 2
left of 7

Now insert 6:



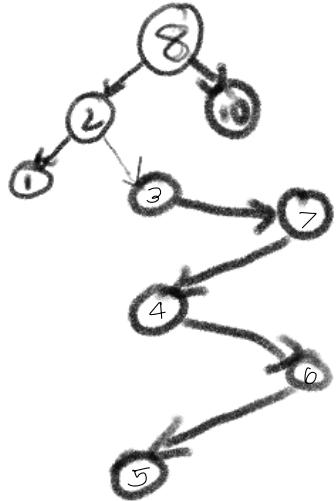
$6 > 4$ greater than 2
right of 4

Now insert 5:



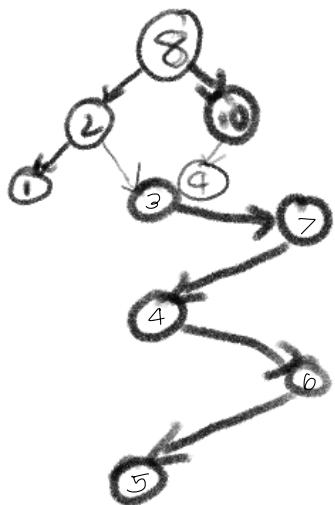
$5 < 6$ greater than 2
left of 6

delete 8:



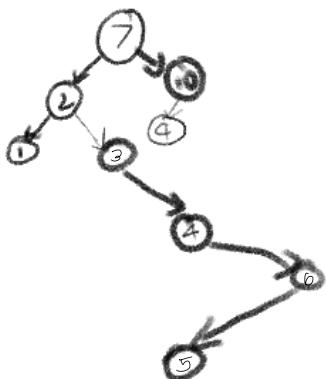
brings 8 to the root
and 3 goes to the
right of 2

Insert 9 again:



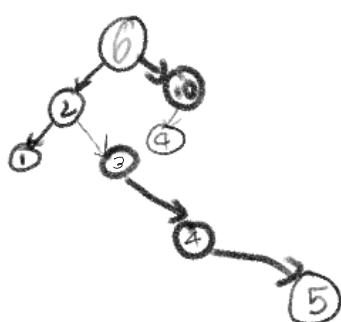
9 goes to the left
of 10

delete root(8):



7 becomes the root
then 4 goes to right
of 3

delete root(7):



6 becomes new root and
5 goes to the right of
4