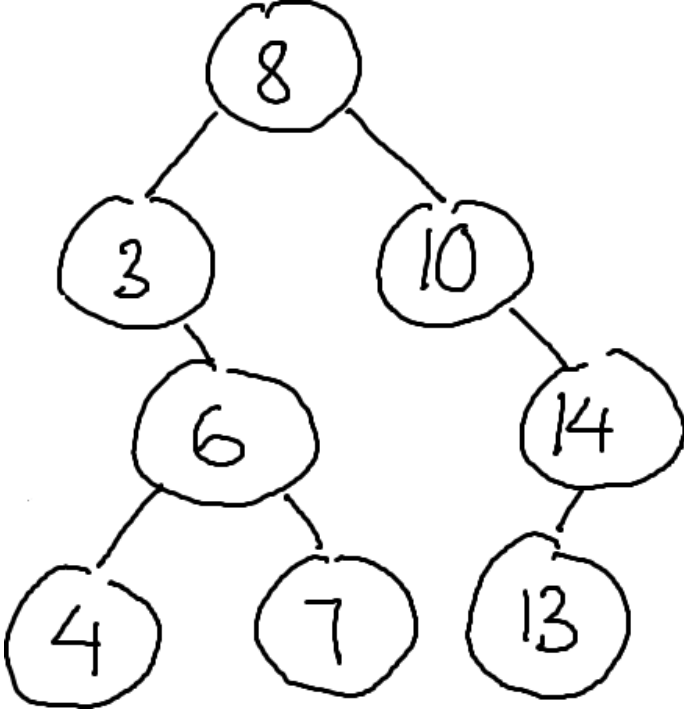
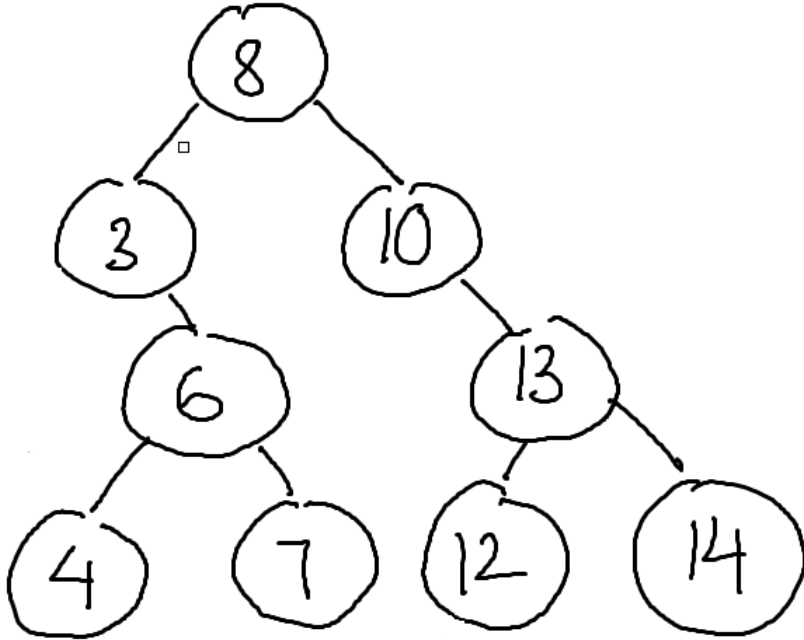
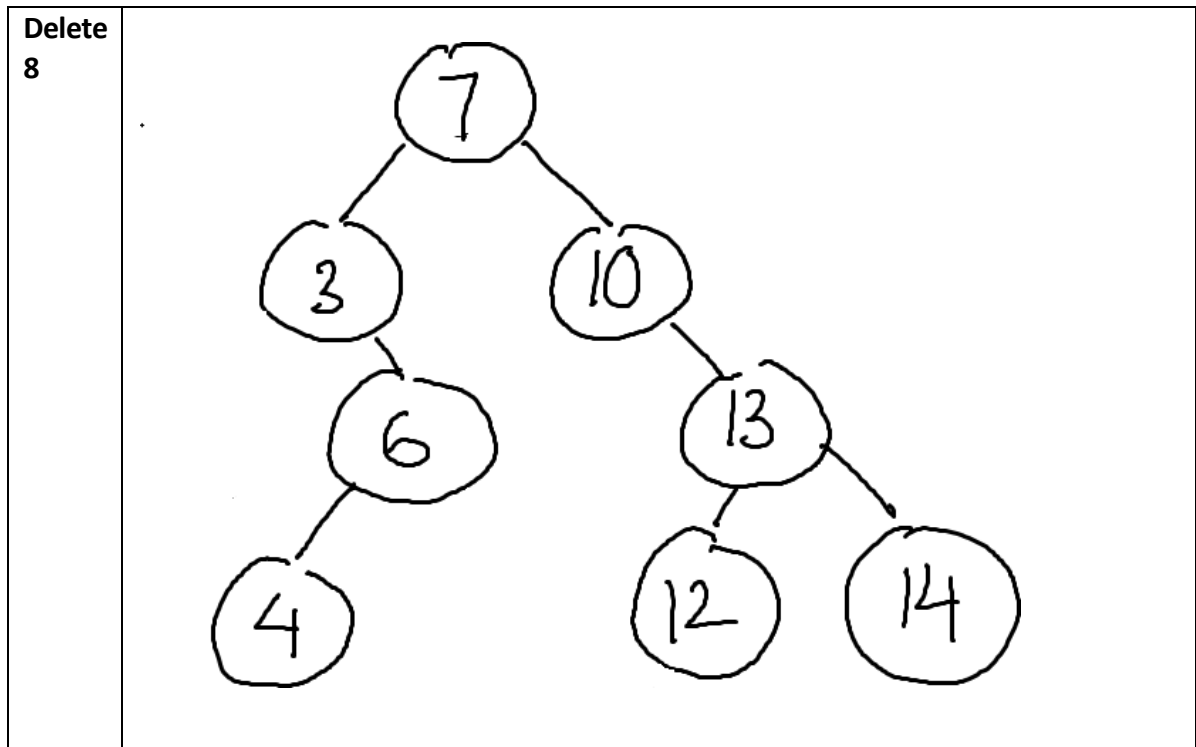


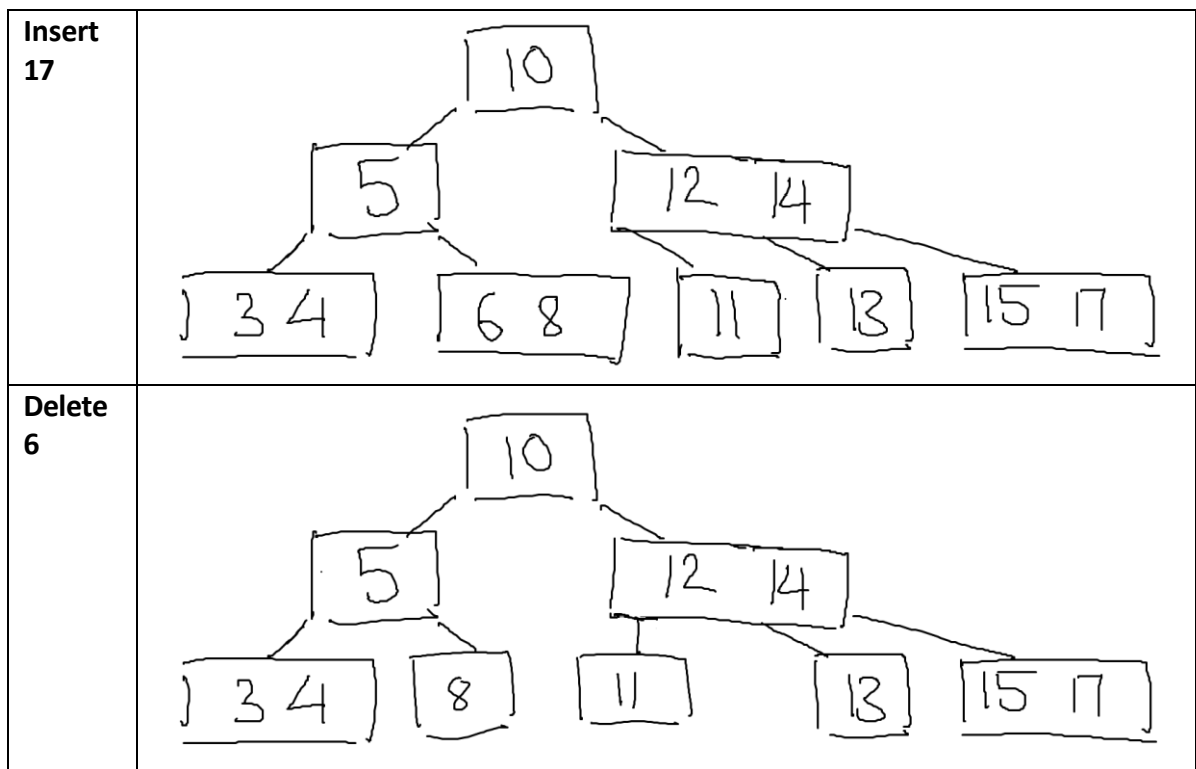
Assignment 7

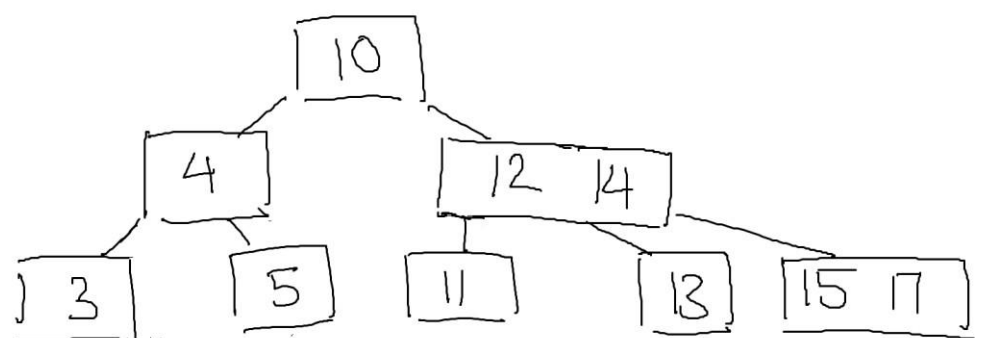
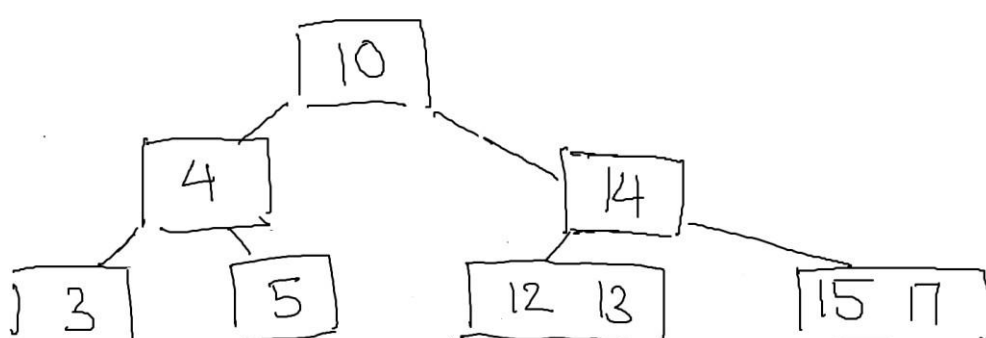
1) Problem 1

Delete 1	 <pre>graph TD; 8((8)) --> 3((3)); 8 --> 10((10)); 3 --> 6((6)); 6 --> 4((4)); 6 --> 7((7)); 10 --> 14((14)); 14 --> 13((13));</pre>
Insert 12	 <pre>graph TD; 8((8)) --> 3((3)); 8 --> 10((10)); 3 --> 6((6)); 6 --> 4((4)); 6 --> 7((7)); 10 --> 13((13)); 13 --> 12((12)); 13 --> 14((14));</pre>

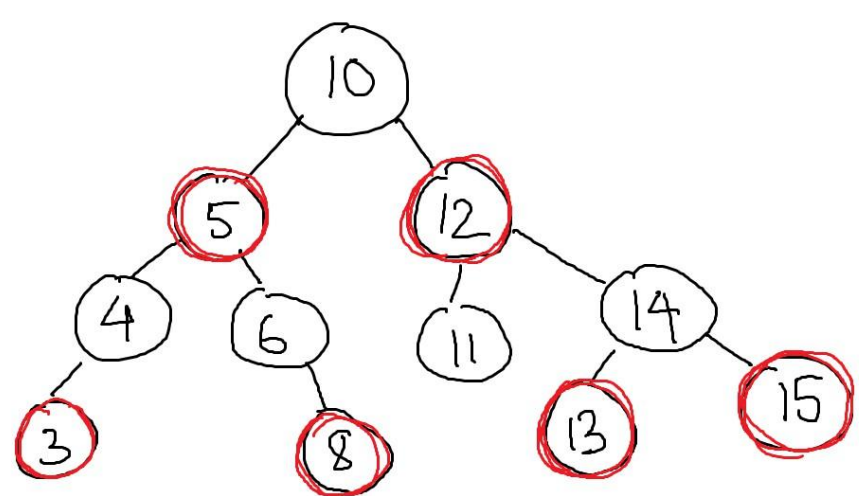


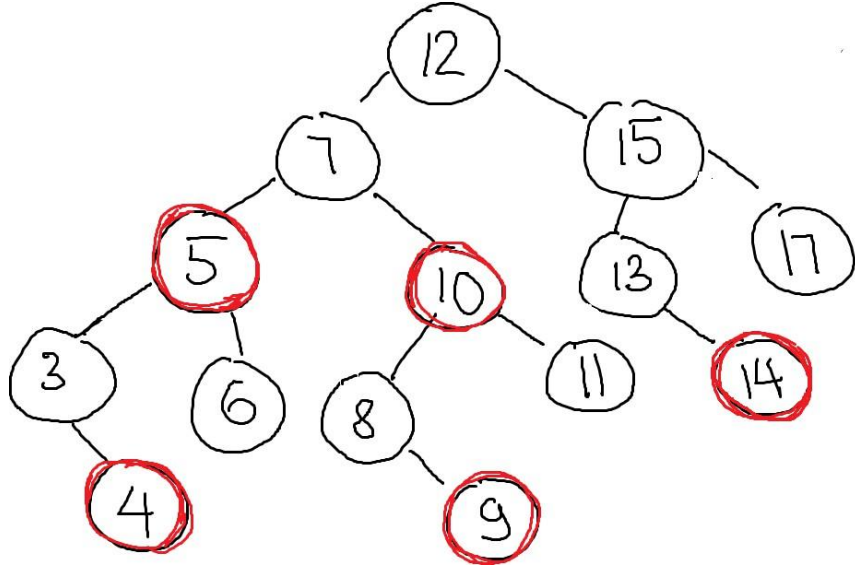
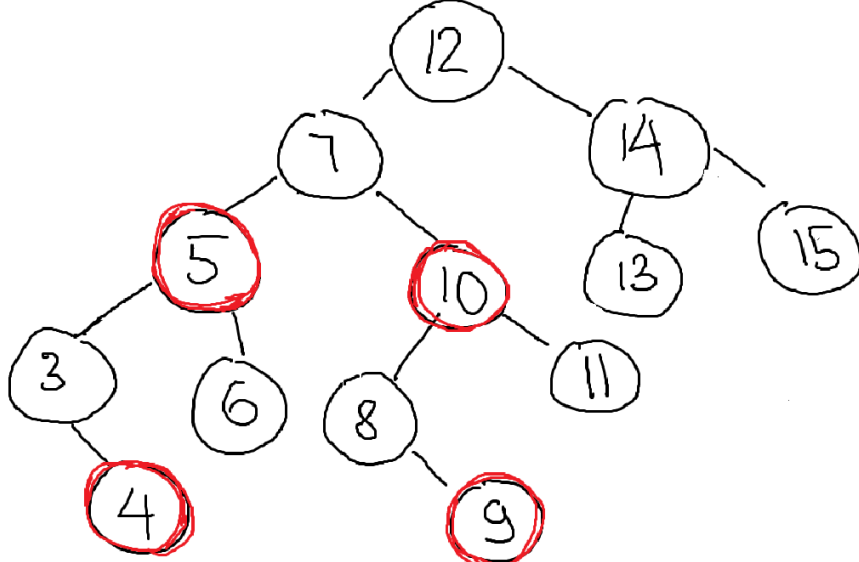
2) Problem 2



Delete 8	 <pre> graph TD 10[10] --> 4[4] 10 --> 12_14[12 14] 4 --> 3[3] 4 --> 5[5] 12_14 --> 11[11] 12_14 --> 13[13] 12_14 --> 15_17[15 17] </pre>
Delete 11	 <pre> graph TD 10[10] --> 4[4] 10 --> 14[14] 4 --> 3[3] 4 --> 5[5] 14 --> 12_13[12 13] 14 --> 15_17[15 17] </pre>

3) Problem 3

Convert Figure 2	 <pre> graph TD 10((10)) --> 5((5)) 10 --> 12((12)) 5 --> 4((4)) 5 --> 6((6)) 12 --> 11((11)) 12 --> 14((14)) 4 --> 3((3)) 6 --> 8((8)) 14 --> 13((13)) 14 --> 15((15)) </pre>
---------------------	--

Insert 9	
Delete 17	
Convert to 2-4 Tree	