Concept Challenge

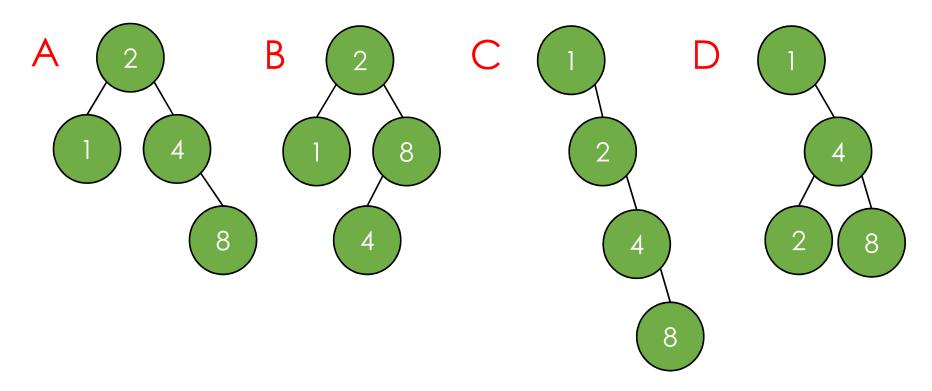
Binary Search Tree Shapes

Concept Challenge

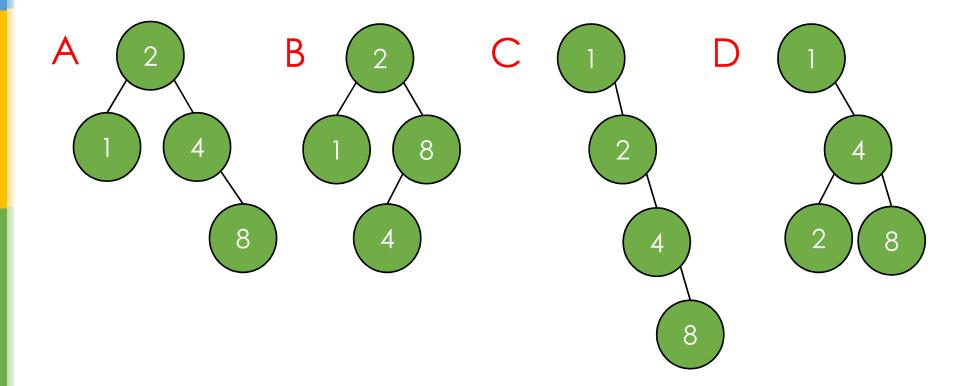
- Pause Try to solve the problem yourself
- Discuss with other learners (if you can)
- Watch the UCSD learners video
- Confirm your understanding with our explanation



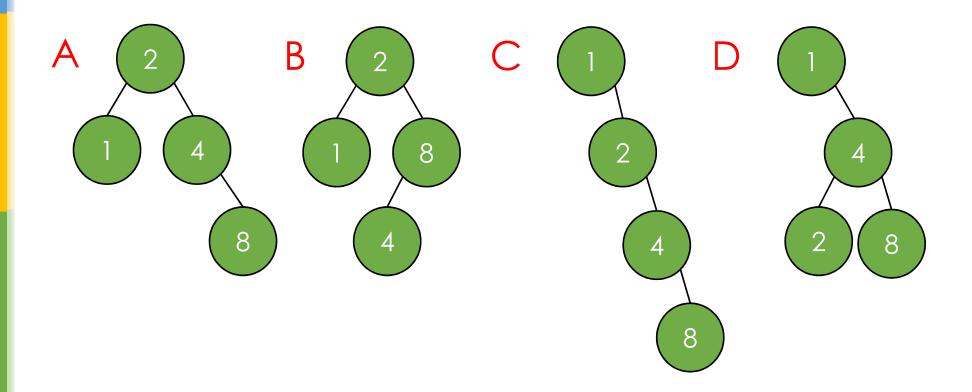
Which of the following Binary Search Trees could be the result of adding elements: 1, 2, 4, and 8 in some order (select all). For valid trees, determine (on your own) an insertion order which would produce that tree?

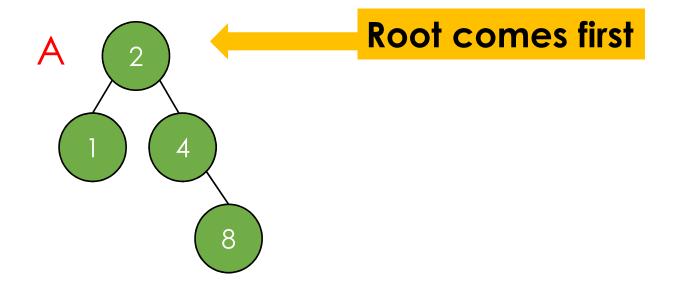


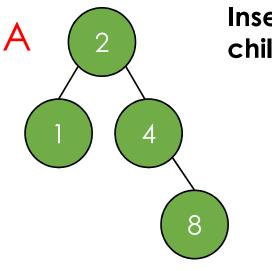
These are all valid trees!



These are all valid binary search trees!







Inserting a node means making it a child of an existing node

2

