i>clicker
Session 7 – with Solutions
Question 1

Which statement below is true regarding this AVL?

A. It is not a BST!
B. It is not an AVL!
C. Inserting an element with value 5 will require a LR rotation
D. Inserting an element with value 5 will require a RL rotation
E. None of the above is true
Question 2
Which statement below is **false** regarding this AVL?

A. This AVL will remain an AVL once we have inserted an element with value 25.

B. Removing the element with value 32 will have no effect on the balance of this tree.

C. Removing the element with the value 12 will have an effect on the balance of this tree.

D. Inserting elements with values 9, 11, 14, 26 will make this tree a complete tree.
Question 3

If I were to interpret this array of integers as a binary tree, what could I say about this tree? Let’s be as specific as possible.

2 4 3 2 7 5 7

I could say that this tree is ...
A. A minimum (min) binary heap
B. A maximum (max) binary heap
C. A BST
D. A complete binary tree
E. None of the above
If I were to interpret this array of integers as a binary tree, what could I say about this tree? Let’s be as specific as possible.

I could say that this tree is ...

A. A minimum (min) binary heap
B. A maximum (max) binary heap
C. A BST
D. A complete binary tree
E. None of the above
Question 5

If I were to interpret this array of integers as a binary tree, what could I say about this tree? Let’s be as specific as possible.

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2 3 7 4
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I could say that this tree is ...

A. A minimum (min) binary heap
B. A maximum (max) binary heap
C. A BST
D. A complete binary tree

E. None of the above