

QUIZ EXAMINATION
CSE 220: Data Structures

A

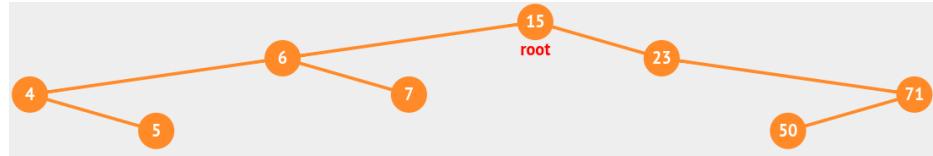
Section: _____ ID: _____ Name in CAPITAL: _____

Question 1 [10 marks]

Write a function called **sumScndMaxMin()** that takes the root of a **Binary Search Tree** in its parameter and returns the sum of secondLargest number and secondSmallest number.

Sample Tree	Sample Function Call	Sample Output
<pre> 4 / \ 3 6 / / \ 1 5 7 </pre>	Python <code>print(sumScndMaxMin(root))</code>	9
	Java <code>System.out.println(sumScndMaxMin(root));</code>	
If we represent a Ternary Tree in an array, what would be the formula to get the middle child? [BONUS] [1 mark]		ANSWER 

Question 1 [5 marks]



Show the PostOrder Traversal output of the Tree above [2] (Don't waste space)

Is it a Perfect BinaryTree? [1]	level(23) * height(6) = ? Write the answer below [1]	Is it a Complete BinaryTree? [1]