

Prompt	Scratchpad	Our Solution(s)	Video Explanation	Run Code
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Solution 1	Solution 2	Solution 3
<pre>1  # Copyright © 2020 AlgoExpert, LLC. All rights reserved. 2 3  # O(nlog(n)) time   O(n) space - where n is the length of the array 4  ▾ def minHeightBst(array): 5      return constructMinHeightBst(array, None, 0, len(array) - 1) 6 7 8  ▾ def constructMinHeightBst(array, bst, startIdx, endIdx): 9      ▾ if endIdx &lt; startIdx: 10         return 11         midIdx = (startIdx + endIdx) // 2 12         valueToAdd = array[midIdx] 13     ▾ if bst is None: 14         bst = BST(valueToAdd) 15     ▾ else: 16         bst.insert(valueToAdd) 17     constructMinHeightBst(array, bst, startIdx, midIdx - 1) 18     constructMinHeightBst(array, bst, midIdx + 1, endIdx) 19     return bst 20 21 22  ▾ class BST: 23     ▾ def __init__(self, value): 24         self.value = value 25         self.left = None 26         self.right = None 27 28     ▾ def insert(self, value): 29         ▾ if value &lt; self.value: 30             ▾ if self.left is None: 31                 self.left = BST(value) 32             ▾ else: 33                 self.left.insert(value) 34         ▾ else: 35             ▾ if self.right is None: 36                 self.right = BST(value) 37             ▾ else: 38                 self.right.insert(value) 39</pre>		

