49) Convert Sorted Array to Binary Search Tree Given an integer array nums where the elements are sorted in ascending order, convert it to a height-balanced binary search tree.

CODE:

```
class TreeNode:
    def __init__(self, val=0, left=None, right=None):
        self.val = val
        self.left = left
        self.right = right
def sortedArrayToBST(nums):
    if not nums:
       return None
   mid = len(nums) // 2
    # Create the root node with the middle element
   root = TreeNode(nums[mid])
    # Recursively construct the left and right subtrees
    root.left = sortedArrayToBST(nums[:mid])
    root.right = sortedArrayToBST(nums[mid+1:])
    return root
def inorderTraversal(root):
    if root:
        inorderTraversal(root.left)
        print(root.val, end=" ")
        inorderTraversal(root.right)
# Example usage:
nums = [-10, -3, 0, 5, 9]
root = sortedArrayToBST(nums)
inorderTraversal(root)
OUTPUT:
 C:\WINDOWS\system32\cmd. ×
 -10 -3 0 5 9 Press any key to continue . . .
```