AI WEEK 3 LAB

Code:

```
class TreeNode:
   def init_(self, value):
        self.value = value
        self.left = None
        self.right = None
def isSymmetricTree(root):
    if not root:
        return True
   def isMirror(left, right):
        if not left and not right:
            return True
        if not left or not right:
            return False
        return left.value == right.value and isMirror(left.left, right.right)
and isMirror(left.right, right.left)
    return isMirror(root.left, root.right)
def buildTreeFromInput(values, index):
   if index >= len(values) or values[index] == -1:
        return None
    root = TreeNode(values[index])
    root.left = buildTreeFromInput(values, 2 * index + 1)
    root.right = buildTreeFromInput(values, 2 * index + 2)
    return root
input str = input("Enter binary tree values (-1 for null nodes): ")
values = list(map(int, input_str.split()))
root = buildTreeFromInput(values, 0)
if isSymmetricTree(root):
   print("Symmetric")
else:
    print("Not symmetric")
```