



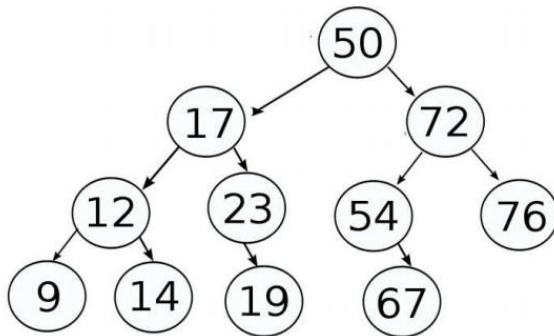
## CL-2001 Data Structures - Lab

**{Allowed time 2 hours}**

### Lab # 08 Task (2 wtg)

#### Problem: 1 |

Consider the given BST tree and provide answer using coding of following questions.



1. Siblings of 54?
2. Ancestors of 23?
3. Descendent of 17?
4. Is it a complete binary tree? Total number of nodes in a complete binary tree with depth 4 will be?

### Lab # 09 Task (2 wtg)

#### Problem: 2 |

1. Write a C++ function that will take a BST object then it will convert into a AVL tree object.

a. Print it Before and After

Test case: 1,2,3,4,5,6,7,8,9,10