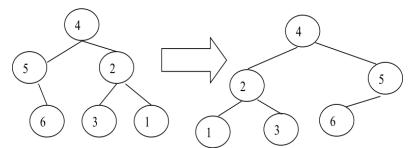
## **Binary Trees**

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Write a recursive function mirrorTree() that will modify a binary tree so that the resulting tree is a mirror image of the original structure.



You should not create any intermediate or temporary trees. The function accepts a single parameter: a pointer to the root note of the binary tree to be mirrored.

void mirrorTree(BTNode \*node);

2. Write a C function printSmallerValues () that accepts a pointer to the root node of a binary tree and prints all integers stored in the tree that are smaller than a given value m. The function prototype is given as follows:

void printSmallerValues(BTNode \*node, int m);

- Write a function smallestValue() that returns the smallest value stored in a given tree. The function accepts a pointer to the root of the given tree. You should determine the correct function prototype.
- Write a recursive function hasGreatGrandchild() that prints the values stored in all nodes of a binary tree that have at least one great-grandchild. The function accepts a single parameter: a pointer to the root note of the binary tree.

int hasGreatGrandchild(BTNode \*node);

Hint: Determine the common property shared by nodes with great-grandchild nodes, and write a recursive function that computes that property.