

Java → Implementation of basic algorithms → Trees in Java

Trees in Java → The pre-order traversal

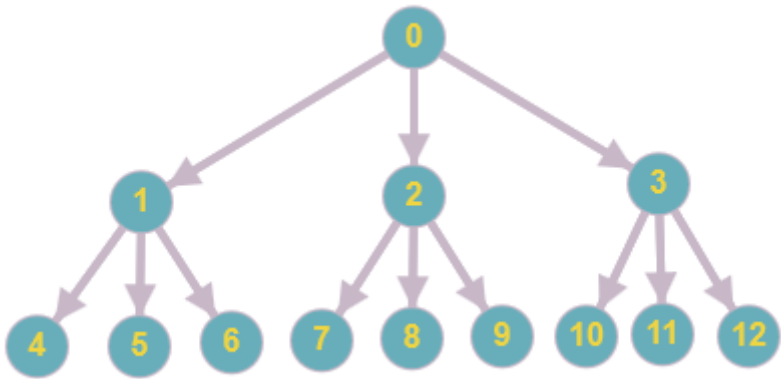
Hard 11 minutes ?

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Code Challenge — Write a program

A full ternary tree with depth n is given. Write a program that prints all nodes of the tree in Pre-Order. Enumeration starts from 0 and goes sequentially through the levels. In the picture below you can see a tree with depth 2.

Pre-order for k -ary tree is (Root, Child_1, ..., Child_k).



Input: n - the depth of the tree.

Output: Sequence of nodes in Pre-Order, divided by spaces.

Sample Input 1:

2

Sample Output 1:

0 1 4 5 6 2 7 8 9 3 10 11 12

Code Editor IDE

Solve in IDE

✓ IDE is opened

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✓ Correct

[+] Test #1. OK
[+] Test #2. OK
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Just use Math and recursion

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Use recursion to create complete tree and u then u are 95% done.

♡ 0

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