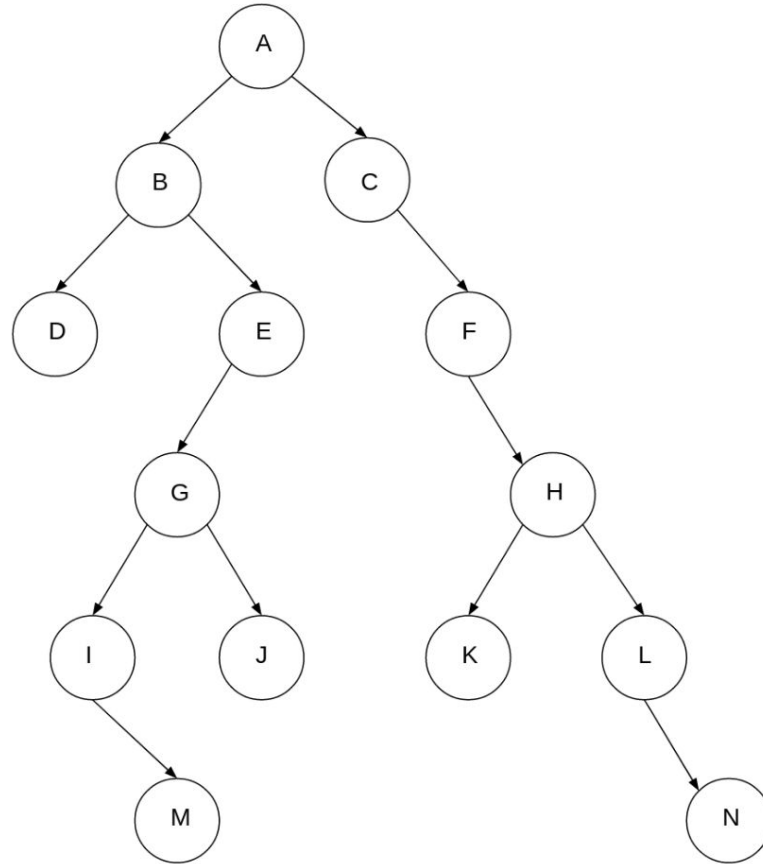


TREES

1. Create the following tree and print inorder.



2. List out the nodes who don't have any children
(Leaf Nodes)

3. Given a node, find the generation and all the members of that generation.

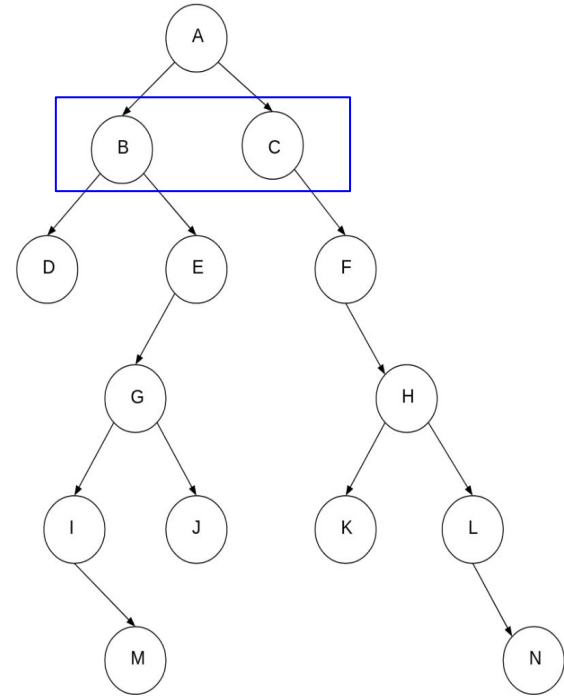
Example:

Input: B

Output:

Generation - 2

Members of Generation 2 - B, C



4. Given a node find the children and grandchildren.

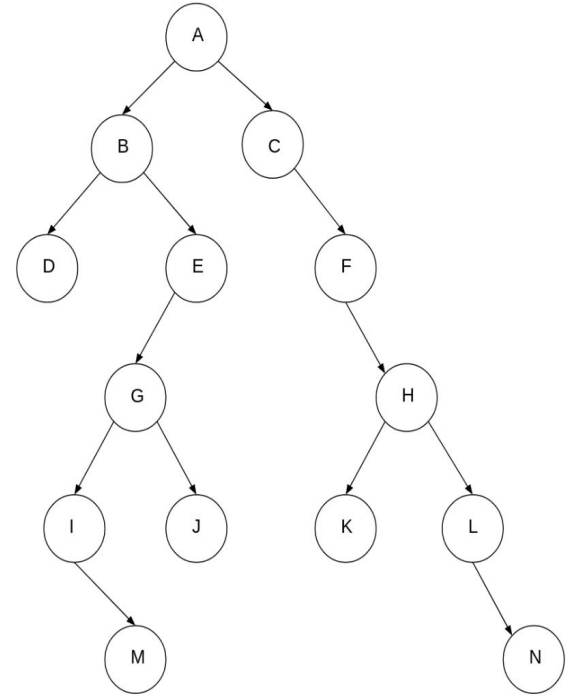
Example:

Input: B

Output:

Children: D, E

Grand Children: G



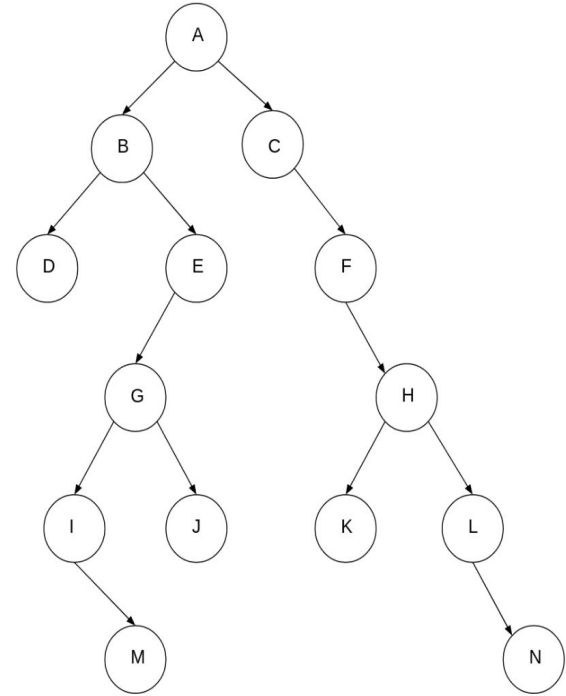
5. Given a node, find the sibling.

Example:

Input: B

Output:

Sibling: C



Input and output format

Input:

2 # No. of test cases

B # Name of node 1 => Testcase 1

Output:

Inorder: Print the inorder

Leaf Nodes: Print the leaf nodes

Testcase 1:

Generation of B: 2

Members of generation 2 : B, C

Children of B: D, E

Grandchildren of B: G

Sibling of B: C