

Drawing Tree with Tikz

Credit: <https://github.com/HasibLearntogrow/LatexPractice>

January 21, 2025

Contents

1	Create Node and Color:	2
1.1	Use Various Shapes:	2
1.1.1	Normal Node:	2
1.1.2	Circle Shaped Node:	2
1.1.3	Rectangle Shaped Node	2
1.1.4	All shape in one tress:	2
1.2	Coloring of node:	2
2	Simple Tree:	2
2.1	Parent Node: A and Child Node B,C:	2
2.2	More node with tree :	3
2.3	More node with tree with a single shape(Circle):	3
2.4	More node with tree with a single shape(Rectangle):	3
2.5	Draw Horizontal tree:	4
2.6	Edge Label:	4
3	Shifting of Tree	4
3.1	left side shift of Tree(calign=first):	4
3.2	Right side shift of Tree(calign=last):	4
3.3	Align all first child node connected with immediate parent node by straight line:	5
4	Practice:	5
4.1	Practice 01:	5

1 Create Node and Color:

1.1 Use Various Shapes:

1.1.1 Normal Node:

A

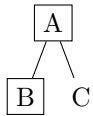
1.1.2 Circle Shaped Node:



1.1.3 Rectangle Shaped Node



1.1.4 All shape in one tress:

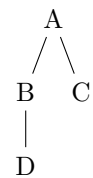


1.2 Coloring of node:

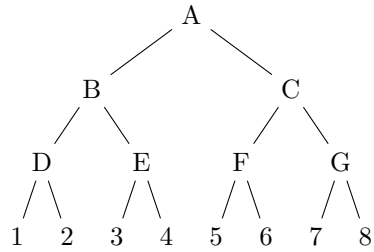


2 Simple Tree:

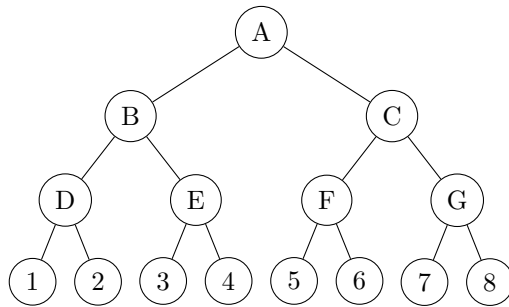
2.1 Parent Node: A and Child Node B,C:



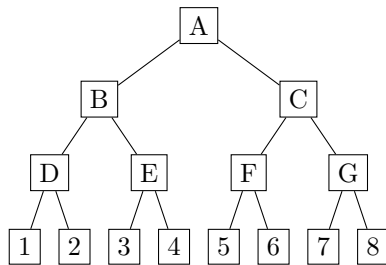
2.2 More node with tree :



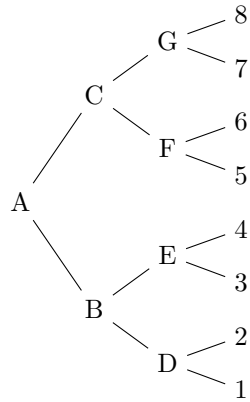
2.3 More node with tree with a single shape(Circle):



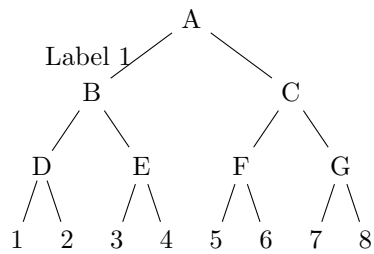
2.4 More node with tree with a single shape(Rectangle):



2.5 Draw Horizontal tree:

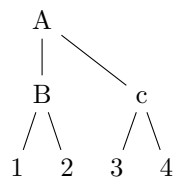


2.6 Edge Label:

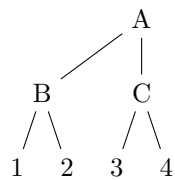


3 Shifting of Tree

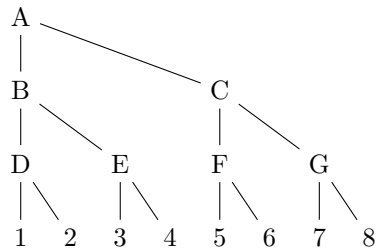
3.1 left side shift of Tree(calign=first):



3.2 Right side shift of Tree(calign=last):



3.3 Align all first child node connected with immediate parent node by straight line:



4 Practice:

4.1 Practice 01:

