

# Drawing Tree with Tikz

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## Contents

<b>1</b>	<b>Create node and Color:</b>	<b>2</b>
1.1	use various shape . . . . .	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
<b>2</b>	<b>Drawing Simple tree</b>	<b>2</b>
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: . . . . .	3
2.4	Draw Horizontal tree: . . . . .	3
<b>3</b>	<b>shifting of tree</b>	<b>4</b>
3.1	left side shift of Tree: (calign=first) . . . . .	4
3.2	Right side shift of Tree: (calign=last) . . . . .	4
<b>4</b>	<b>Align all first child node connected with immediate parent node by stright line:</b>	<b>4</b>
<b>5</b>	<b>practice</b>	<b>4</b>
5.1	Practice-1:Vertical trees: . . . . .	4
5.2	Practice-2:Horizontal trees: . . . . .	5
5.3	practice-3: trees with rectangular node: . . . . .	5

## 1 Create node and Color:

### 1.1 use various shape

#### 1.1.1 Normal Node

A

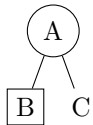
#### 1.1.2 Circle shaped node:



#### 1.1.3 Rectangle shaped node:



#### 1.1.4 All shape in one tress:

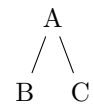


### 1.2 Coloring of node:

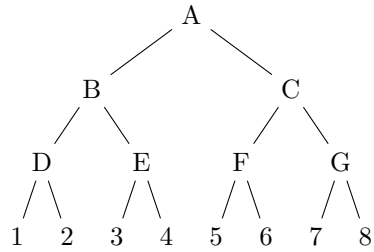


## 2 Drawing Simple tree

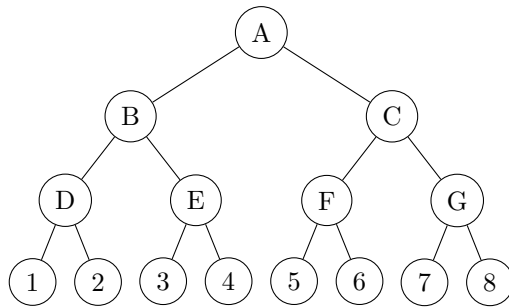
### 2.1 Parent Node: A and Child Node B,C:



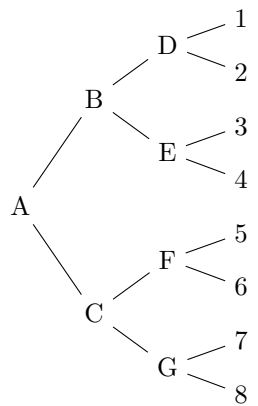
## 2.2 More node with tree :



## 2.3 More node with tree with a single shape:

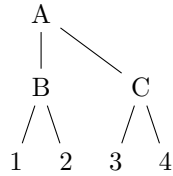


## 2.4 Draw Horizontal tree:

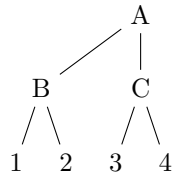


### 3 shifting of tree

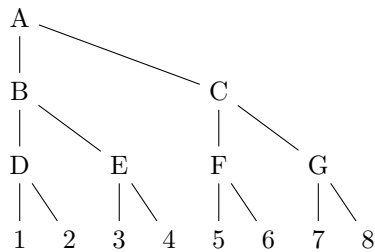
#### 3.1 left side shift of Tree: (calign=first)



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

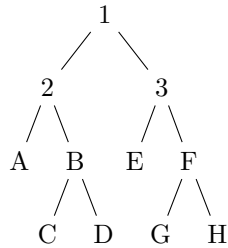


### 4 Align all first child node connected with immediate parent node by stright line:

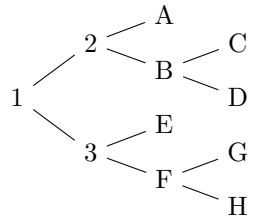


### 5 practice

#### 5.1 Practice-1:Vertical trees:



### 5.2 Practice-2:Horizontal trees:



### 5.3 practice-3: trees with rectangular node:

