

# COMP26120 Algorithms and Data Structures

## Topic 2: Data Structures

# Representing a Tree

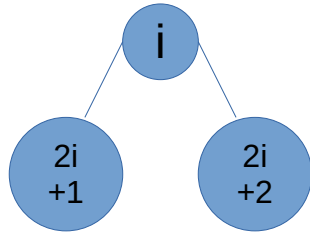
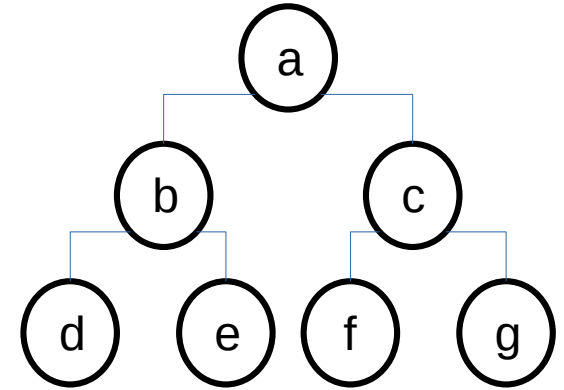
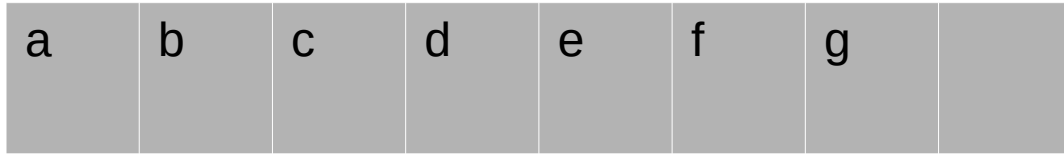
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All information on Blackboard

# Learning Outcomes

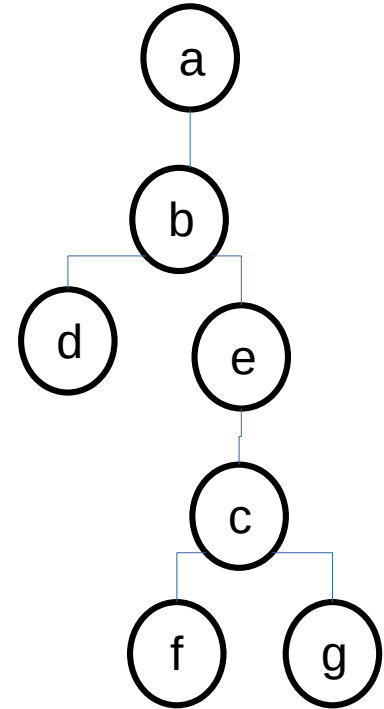
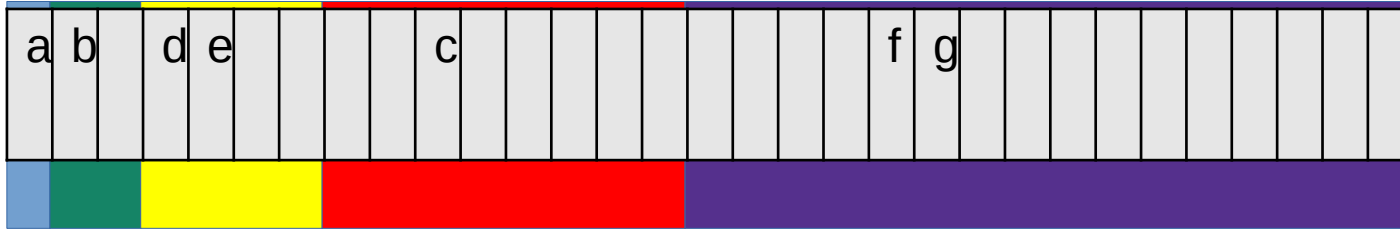
Understand how Trees can be represented as:

- Arrays
- Linked Structures

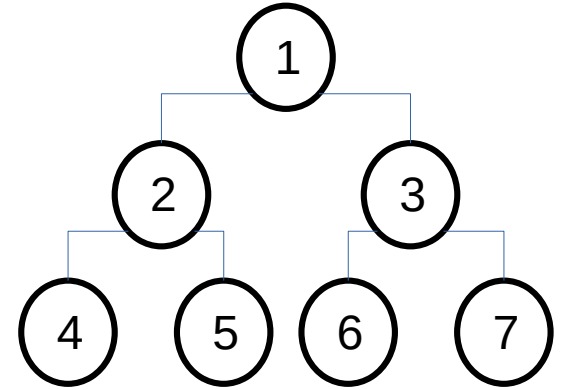
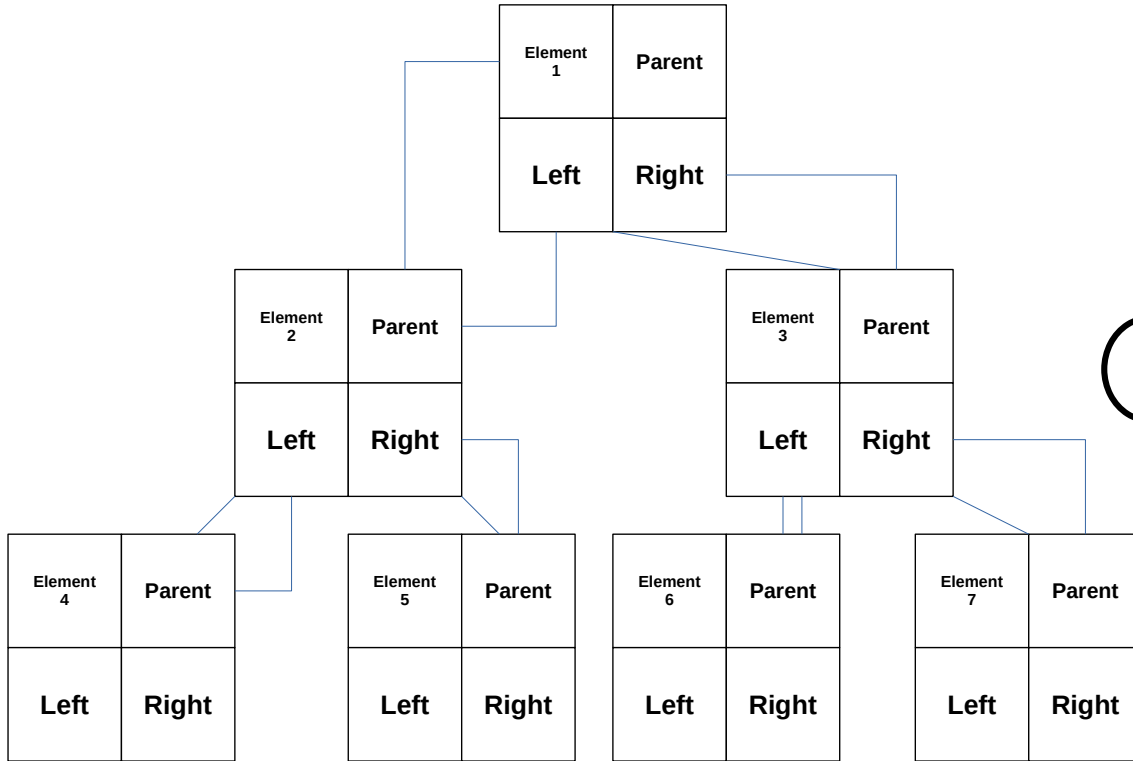
# Array Representation



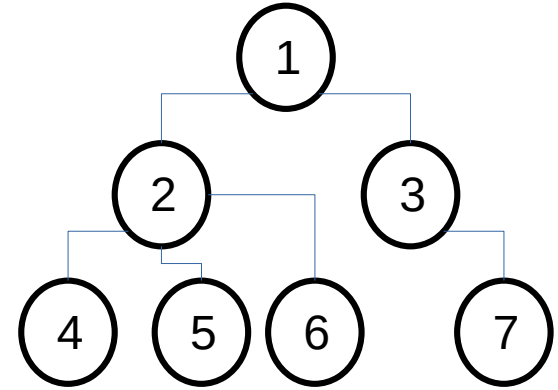
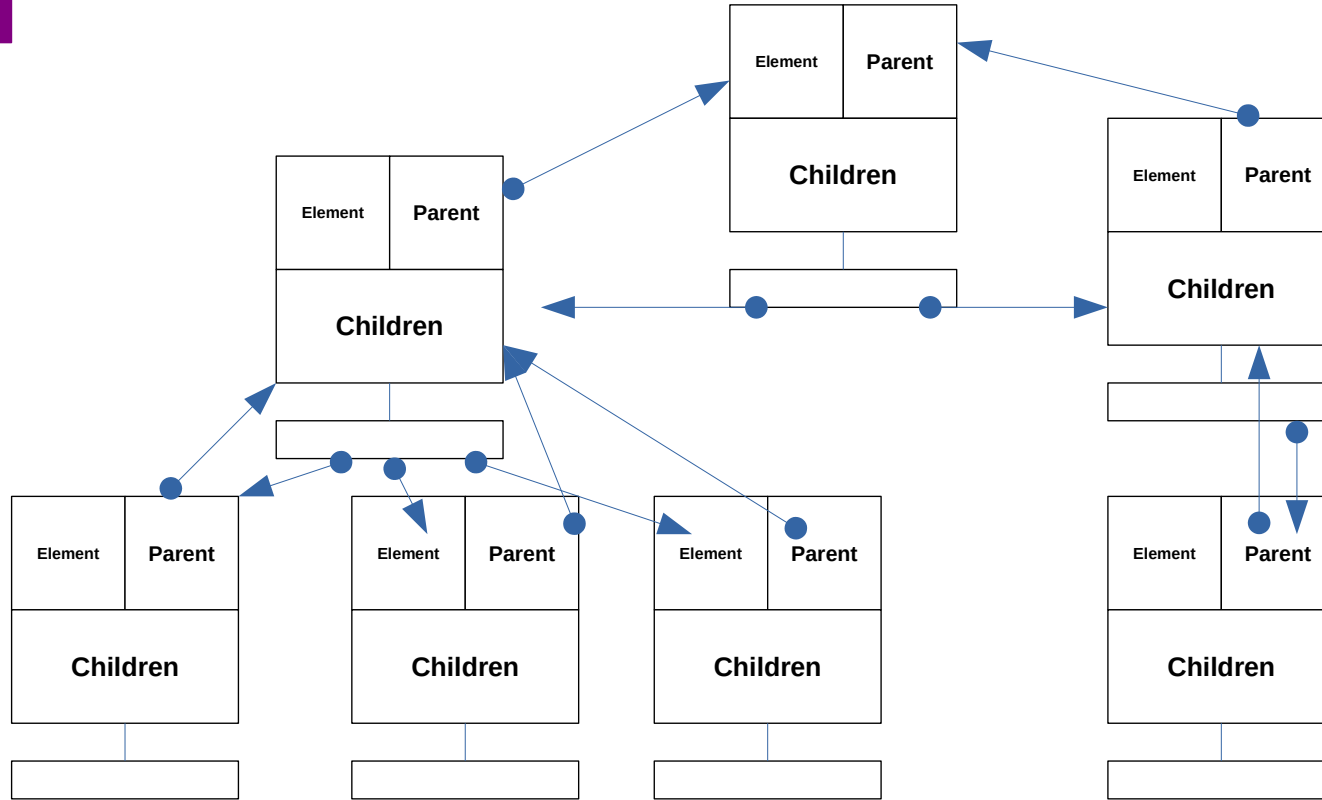
# Array Representation (bad)



# Linked Representation



# Linked Representation



Children points to a container (could be array, list etc) which points to each child.