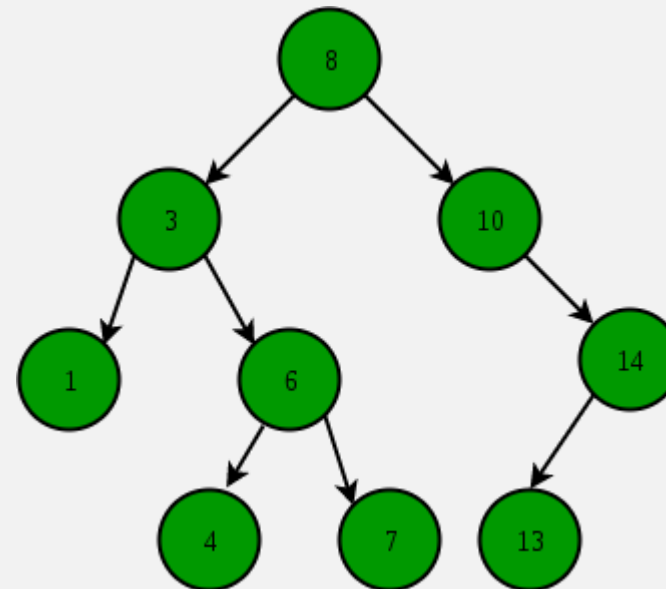


LAB 12

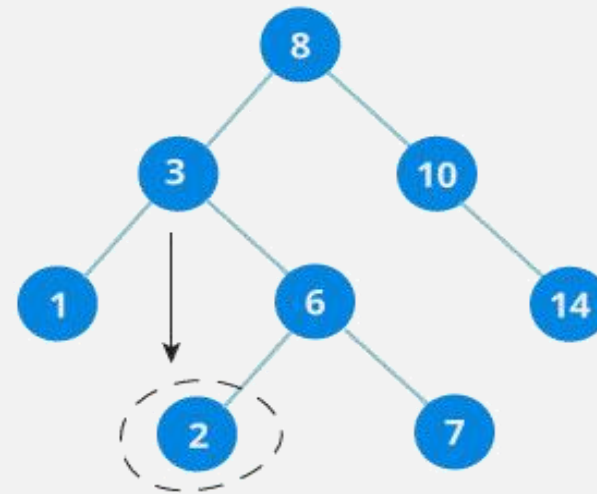
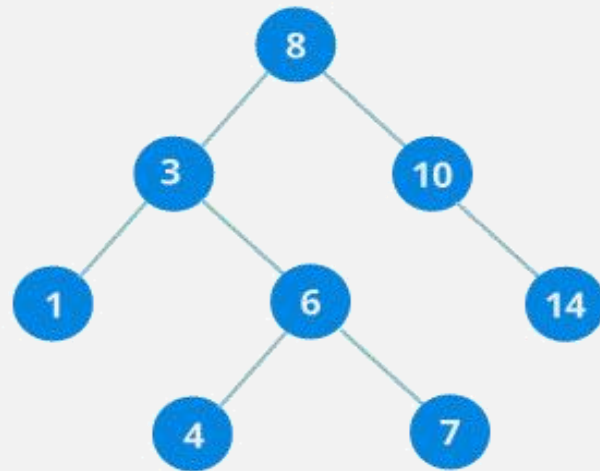
BINARY SEARCH TREE

WHAT IS BST?

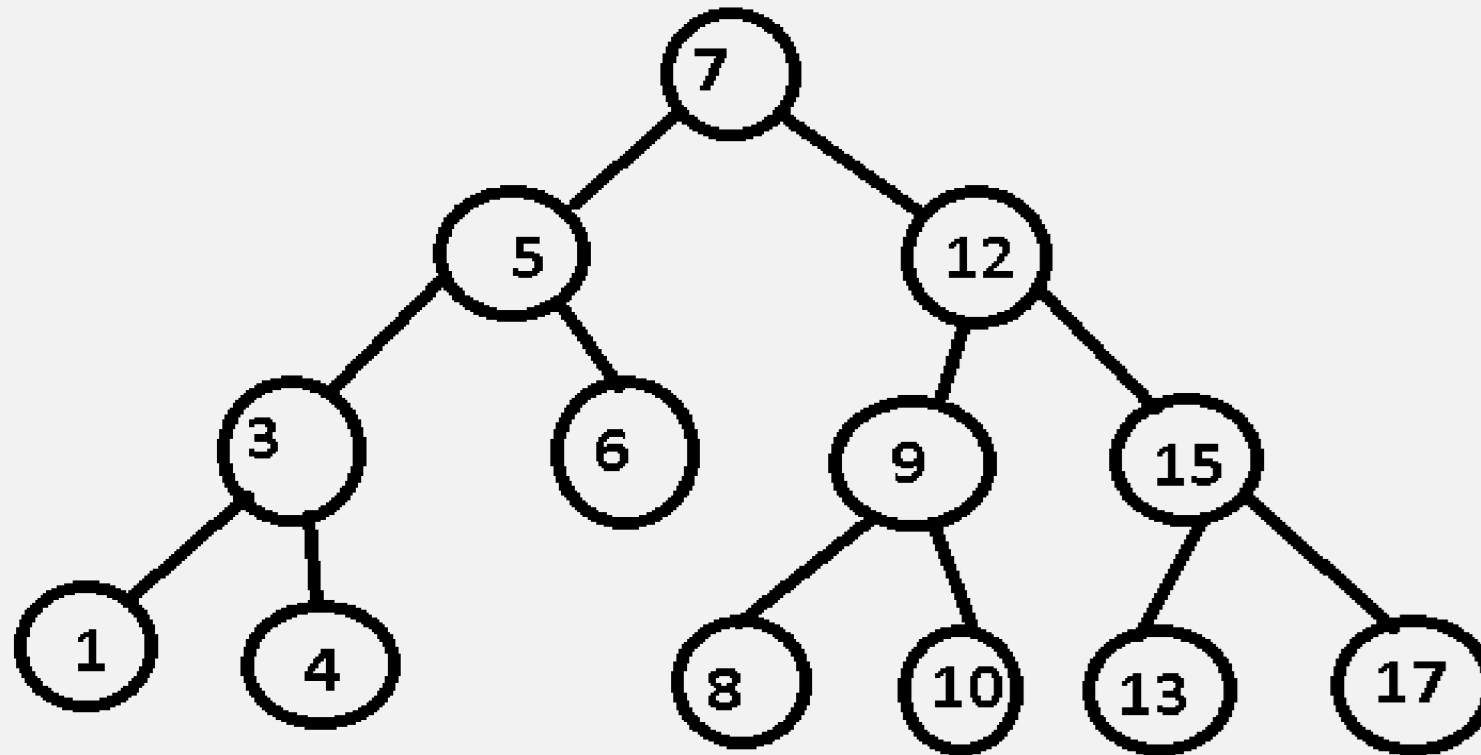
- **Binary Search Tree** is a node-based **binary tree** data structure which has the following properties:
 - The **left subtree** of a node contains only nodes with keys **lesser than the node's key**.
 - The **right subtree** of a node contains only nodes with keys **greater than the node's key**.
 - The **left and right subtree** each must **also be a binary search tree**.



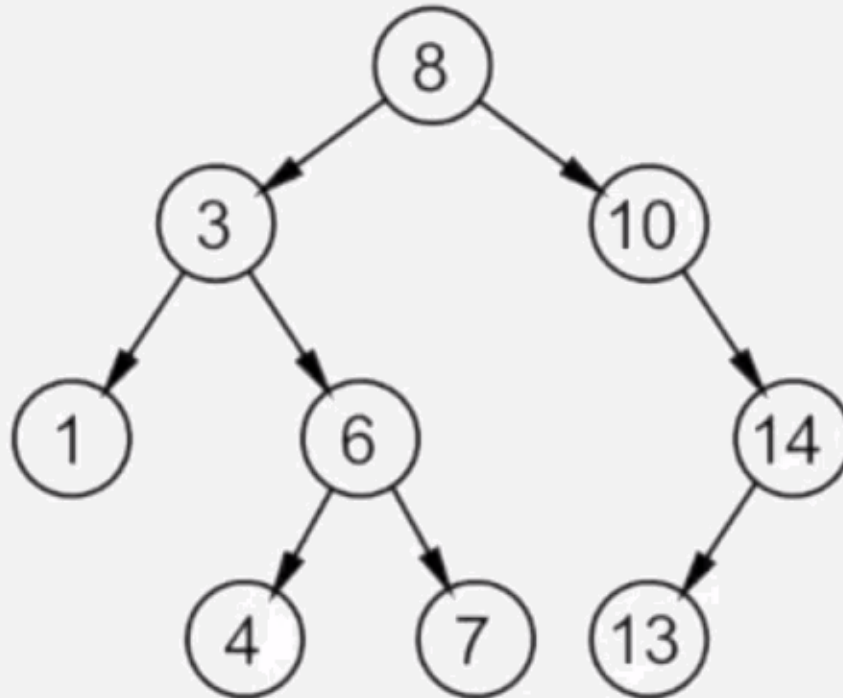
***IS IT A VALID BST??



HOW TO SEARCH DATA IN BST?



***SIMILARITIES AND DISSIMILARITIES BETWEEN BINARY SEARCH TREE AND BINARY SEARCH



BST IMPLEMENTATION

- BST Construction
- Insert a node
- Delete a node
- Search a data