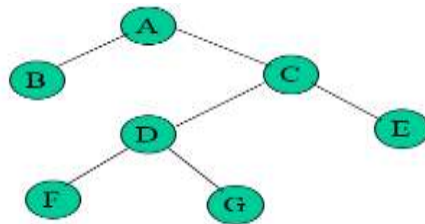


Questions on Tree

- 1) Describe what kind of datastructure is tree
- 2) List and explain binary tree, strictly binary tree, Binary search tree, red , black tree , Left & Right skewed tree , Balanced tree etc
- 3) Define and understand various terminologies wrt tree i.e height, depth, rootnode, leaf node, level etc
- 4) Draw a binary search tree for given example 12,35, 67, 89,40,56?



List some realtime applications of Tree-data structure?

- 5) Perform different traversals for given Binary tree
- 6) Why it is said that searching a node in a binary search tree is efficient than that of a simple binary tree?
- 7) There Are 8, 15, 13, 14 Nodes Were There In 4 Different Trees. Which Of Them Could Have Formed A Full Binary Tree?
- 8) Which one is faster? A binary search of a ordered set of elements in an array or a sequential search of elements?
- 9) Explain AVL tree?

Programs

1)WAP to implement a Binary tree and perform following operations

a)Create a binary tree

b)Insert a node

c)Delete anode

d)Perform Preorder, Inorder, Postorder traversals on tree

2)WAP to implement a Binary Search tree and perform following operations

a)Create a binary tree

b)Insert a node

c)Delete anode

d)Perform Preorder, Inorder, Postorder traversals on tree