

Assignment - 7

(03 Oct to 8 Oct)

Q1. Write Programs to create a binary search tree for the following input.

13, 3, 4, 12, 14, 10, 5, 1, 8, 2, 7, 9, 11, 6, 18

Q2. Perform following traversals on the above BST

1. Traverse and display a BST by doing InOrder Traversal.
2. Traverse and display a BST by doing PreOrder Traversal.
3. Traverse and display a BST by doing PostOrder Traversal.
4. Traverse and display a BST by doing LevelOrder Traversal.

Q3. Search for a particular (kth) value in a BST and return its depth and position, if it exists; or return a NULL if the value is not present in the BST.

Q4. Delete a particular element from a BST and then display the resultant Binary Search Tree.