* Map with list of string 8 ? > *** imp

Dustion & Illustrate the use of

an ordered-map by using a

list -> (DLL) of strings. * Difference between: * ** push-back (); } emplace-back (); } Vertous Introduction to non-linear data stouetures. 1) Trees: > 2) Binary Tree: Right * 2 children Types of Finaly Trees: 1 Noomal Binary Tree 11) Binary Search Tree Adelson Velsky E Ceregory Landis -> 10) Complete Binary Trees -> Heap VI Toice L-R JRed black Trees & grene grane Segment Trees Vu) K-D Trees BIT- Binary Index Trees DB/B+ Trace Tree Traversal lechniques: > 1) Freadth First Search (Level Order Traversal) Bottom 1,2,3,4,5,6,7,9,15 (queue) eph Kirst Search: L, left m) Post Order (11) In - Ooder 1) Pre - Orda 4,2,9,5,1,6,3, 4, 9, 5, 2, Op: 1,2,4,5,9,3, 6,15,7,3,1 15,7 6,7,15 K ecusion * Important Questions on Trees: 1) Identical Trees (11) Mirror of a Binary Tree (4) Lowest Common Ancestor (IV) Sorted Array to BST 1 *** L) In-order Traversal Traversal (BFS)

9072