

Microsoft PPI interview questions

Round 1

1. How will you implement C++ STL Map
2. Given a binary tree, the weight of a node is the number of nodes in the subtree rooted by that node. For each node, make its value equal to weight of left subtree - weight of right subtree.

Round 2

1. Given n sorted arrays, find the intersection. How will you optimize if
 - a) The arrays are not sorted, but the elements of array are contiguous
 - b) The intersection is assured to be small (use binary search)

Round 3

1. Convert binary search tree to DLL in sorted order.
2. Given two strings s1 and s2, find the smallest substring in s1 which contains all the characters of s2.

Round 4

1. Given two arrays, find the pairs of elements with difference K.

- [Kashyap](#)