Programming Journal 6-2

Binary tree algorithms are complex and very difficult to code. Depending on the situation of usage it is worth the effort when data needs to stay in sorted stream of data instead of being stored at random points. It also has minimum time and requires minimum space to run them. When using the divide and conquer technique we first dived the array of strings into two parts. We then do the same for the left and right subtree. Once we divide our array we can then start conquering by returning common strings from the left and right.

An extremely large number of nodes must be carried to find the best fit for the problem. Storing a node requires large amounts of memory. As the number of nodes increases it slows down the performance of the code. Also storing huge amounts of nodes can put strain on memory and performance.