Array

* Relationship To Others
  + i.e Longest Sum
    - Hash Table
    - Prefix Sum – Requires Contiguous Array running total of an array.  In a prefix sum, differences between elements represent the difference between that start index and that end index

DFS

* Tree
  + Stack – First In Last Out
  + For a tree it goes all the way to the leaf until you reach the nil. Once you reach nil you can the determine course of action, like if something exist or return a Boolean
* Graph
  + Stack – First In Last Out
  + You tend to mark visited and iterate through the current item within the graph. In that iteration you, you may need to use continue often instead of returning a value. It seems like when you return a value it stops while with a tree you can combine root, left and right. Typically if you go to the end of the graph it’s to get the count but you can typical get the current starting node and check it against expectation

BFS

Shortest Path

Hash

* Hack: Convert numbers to string or type to string to create a mock hash i.e. row x column “row,column”