3rd and 10th March 2016

Comcast (pre screening) by a consultant (Apidel Technologies)

What is a stack and a queue? How do they work?

Design patters – what are they? Why do you use them?

DI and what pattern does it use?

Challenges faced in you project

Binary Tree – how do you Traverse

Difference b/w set and Map

Difference b/w list and set

Difference between HashMap and Hashtable

Internals of HashMap

Which is better in performance – HashMap, Hashtable and ConcurrentHashMap

Find the middle element in the linked list

Some unknown exception class

10th March 2016 - Java Program

Write a function that, given a list and a target sum, returns zero-based indices of any two distinct elements whose sum is equal to the target sum. If there are no such elements, the function should return null.

For example, findTwoSum(new int[] { 1, 3, 5, 7, 9 }, 12) should return any of the following tuples of indices:

• 1, 4 (3 + 9 = 12)

• 2, 3 (5 + 7 = 12)

• 3, 2 (7 + 5 = 12)

• 4, 1 (9 + 3 = 12)