4th April 2014

First Round

It is the usual nagarro’s apti round which included the mathematical portion and analytical reasoning and all. As I was not that much comfortable with the first part of the paper so I attempted the second half first which is the reasoning portion. I did attempted few questions from the first part for which I was sure. The coding paper included the following questions:-

Ques 1. Given a decimal number when converted into its binary form forms a palindrome or not.

Bool IsBinaryPalindrome(int decimalNumber)

Ques 2. You are given a sentence contained in a given string S. Write a function which will replace all the words within the sentence whose length is even and greater than equal to 4, with a space between the two equal halves of the word.

Input:

“Men have become the tool of their tools”

Output:

“Men ha ve bec ome the to ol of their tools”

String ReplaceEvenWord(string S)

Ques 3. To sort an array containing 0’s and 1’s in O(n) time.

For example:-

Arr[] = {1,0,0,0,1,0,1,1,0,1,1,0}

Sorted array

Arr []={0,0,0,0,0,1,1,1,1,1,1}

After completing this paper I got to know that I have cleared my first paper and I have to move forward for the interview.

The questions asked by the interviewer:

The interviewer first asked me the questions I did, my approaches. Dry run with few examples. Then he asked me to code few questions for him.

Given array of characters and a string we need to check whether the characters of the string are there in the array of characters in the same sequence as that of the string.

Second question I don’t remember but that requires the application of hashing.