**TnP Question Bank for the forthcoming batches** (upload at – bit.ly/QuesBank18)

You are requested to mention the following details in the best possible manner for the junior batches to have an upper hand during their placements. Pls feel free to add any other sections that you deem fit.

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**Technical Questions** (Mention below all the technical questions asked during the interview and coding/technical round):

**Coding Elimination Round 1:**

1. **Reversing The array.(Easy one something like this).**
2. **Skew Tree.**
3. **Linked List**

**Coding Elimination Round 2:**

1. there are switches that can be controlled by a remote , n such switches are connected in series and at the end of there is a bulb , the remote has a button that toggle the state of the switch (on to off and vice versa) , but the remote only works in switches which have a electric connection to them , A switch is connected when when all the previous switches are turned ON, and the bulb is on when all the switches are ON , At first all the switches are off and only the first switch is connected ,
2. Input- N (number of switches ) ,1 < N < 30  
   K(number of times the button is pressed) 1 < k < 10^7 output – 1 (if the bulb is on) , -1 (if it’s not) hint : figure out a simple math formula where the ans is 1 for value of K is k = p\* pow(2, N) – 1 [for all p > 1 and p\*pow(2,N) < K ].

**Interview Questions:**

1. Print all the possible combinations of the different words which can be formed using a morse code.(had to be coded properly).
2. Next smallest palindrome of a given number(Again had to be coded properly).
3. Basic Concepts of OOPS and their practical uses.