

Amazon Interview experience | Set 332 (Off-Campus)

- Difficulty Level : [Hard](#)
- Last Updated : 09 Jul, 2019

Amazon Interview Experience (Off Campus)

Round 1: Online Test

1. [Circular tour that visit all petrol pumps.](#)
2. [Find a sub-array in an array of 0 and 1 such that flipping bits maximizes no. of 1s.](#)

Round 2: Telephonic Interview 1

1. [Mirror Image of binary tree \(Recursive Solution Required\)](#)
2. [Mirror image of binary tree \(Iterative Solution Required\)](#)
3. [Mirror of n-ary tree.](#)
4. [Generate all k length combination from n length string, characters can appear multiple times, print unique combinations only.](#)

Round 3: Telephonic Interview 2

1. [Sqrt of an integer till given decimal places.](#) (Expected complexity $\log n$ and only a single function can be made which has to deal with all the cases)
2. [Merge two balanced binary search tree.](#)

Round 4: F2F

1. [Isomorphic binary tree check.](#)
2. [Count all possible decodings of a string of digit.](#)
3. Given log files consisting of product bought and customer id, print top k purchased items at any time. If billions of items are there and it is not possible for a single machine to handle them then how will you handle this condition. Discussed several approaches.

Round 5: F2F

1. [Top view of binary tree.](#)
2. [Given an expression number of different ways to evaluate the expression.](#)
Exp. $1+2*3$, can be evaluated as $(1+2)*3$ or $1+(2*3)$
Later he asked me to find out all the possible answers as well.

Round 6: F2F (Technical + hr)

Discussion about project I completed during internship.
Technical Questions asked were $\log n$

- [K-th largest element in bst.](#)
- [Array vs Linked list.](#)

Several behavioral questions.

Round 7: F2F

1. Hotel booking problem.
2. [All Practice Problems for Amazon](#) !

My Personal Notes\arrow_drop_up

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