

Amazon Interview Experience | Set 381 (For SDE2)

- Difficulty Level : [Hard](#)
- Last Updated : 11 Jul, 2019

Telephonic Round :

1. Given a set of packages or jars, with dependencies over each other. Write code to provide ordering, in which these packages should be compiled.
2. Given a number n , write code to count number of palindromes till n . For eg : If n is 10, number of possible palindromes are 11.

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3. Design a data structure to support insert, delete, search in $O(1)$ time complexity.

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Round 1 :

1. Design doctor appointment System.
2. Given a piece of code in java, provide code review comments.

Round 2 :

1. Explain architecture of project in depth.
2. Given a fully connected graph with n nodes and corresponding values. One node can interact with other node at a time, to replace/ignore/add its value to other node's value. Assuming this operation takes 1 unit of time, how much time would it take for all the nodes to have value equal to sum of all the nodes.
Examples : Given a graph with values $\{1,2,3,4\}$, find total time it takes, such that all nodes have value as 10.

Round 3 :

1. Given a sorted string, find number of occurrences of given character in string.
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2. Given a chessboard, find minimum number of moves for a knight to reach from source to destination.
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Round 4 :

1. In depth discussion on all the projects mentioned in resume.

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