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Amazon Interview Experience SDE1| Off-campus

- Last Updated :\n30 Aug, 2019

Round 1:
Online coding test comprising of two coding questions and 20 MCQs. The coding problems were:

- Rotate a matrix by 90 degrees.
- Longest increasing subsequence.

Round 2: Technical 1, he asked me two questions:

- If a number is written on a paper and that paper is rotated by 180 degrees, will the number remain the same?
- Merge two sorted arrays to get a resultant sorted array. Sub questions were to get the resultant array into increasing as well as decreasing order.

Round 3: Technical 2, he also gave me two questions. He first asked me about my strong areas. I accidentally told him my weak areas too. That was my blunder. Don\xe2\x80\x99t ever do that.

- If there are files that are dependent on each other and I need to compile them. In what order should they be executed that all of them would get successfully compiled? This was basically topological sort.
- 2x+3y+7z = n \xe2\x80\x93> Find all possible combinations of x, y, z such that they satisfy above equation. I had suggested two approaches but he wanted the solution of lesser complexity. The optimized solution is obtained by dynamic programming. I couldn\xe2\x80\x99t answer it using DP.

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