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## Amazon Interview Experience | Set 156 (On-Campus)

- Last Updated : 09 Aug, 2019

### Written Round:

There were 21 MCQs and 2 coding questions hosted on hackkerank.

Time: 1 hr 30 mns.

The MCQs were from c, c++, os, networks for example

1. LDAP stands for?
2.  $2^{30} + 2^{30} + 2^{30} + 2^{30} = ?$
3. Given three process P, Q, R. P requests resources A, B, C, Q requests B, C, D and R requests C, D, A which of the following orders is deadlock-free
4. [Given a postfix expression find the value of expression](#)
5. Which of the following is the inorder traversal for the given preorder traversal
- 6 Question-based on the precedence order of operators

### Coding questions:

- 1) [Given a graph. Find if a cycle exists and print the nodes in the cycle.](#) If multiple cycles exists print the cycle starting from the lowest index

- 2) [Given a string S and a string T, count the number of distinct subsequences of T in S.](#)

S = "crabbbbit", T = "dcrabbit"

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### Interview 1:

- 1) [Find the diameter in given tree](#) which can start at any node and can end at any node and should have only single turn.

10 / 5 8 10-8 has two turns 10 / 45 56

10-45-10-56-45 has 1 turn

20-45-10-56 has 2 turns

- 2) [Find the number of islands](#)

### Interview 2:

- 1) [Word Break Problem](#)
- 2) [Find if an array of strings can be chained to form a circle](#)
- 3) What datastructure will you use for designing lift
- 4) Efficient data structure for minimising the following operations if we have an array arr[0 . . n-1].
  - a) Add a value x to array from index l to r where  $0 \leq l \leq r \leq n-1$
  - b) Find the value of a specified element of the array arr[i] where  $0 \leq i \leq n-1$ .

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[All Practice Problems for Amazon !](#)

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