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Amazon WoW Internship Interview Experience 2021

- Last Updated :\n09 Jan, 2022

Difficulty Level: \xc2\xa0Medium-Hard

Online Assessment 1:

- Date \xe2\x80\x93 17/08/2021
- Mettl Platform \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0
- Time \xe2\x80\x93 90 minutes \xc2\xa0
- 9 Sections \xe2\x80\x93 41 Questions \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0
- 1 Coding questions + 40 Objectives \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0

MCQ Topics \xc2\xa0(5 Questions Each Section) \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0

1. Data Structures and Algorithms \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0
2. Networking \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0
3. Linux \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0
4. Pseudocode \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0
5. SQL Queries \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0
6. Databases \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0
7. Software Testing \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0
8. Software Engineering \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0

Online Assessment 2: Date \xe2\x80\x93 25/08/2021

4 Sections \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0

1. Code Debugging (6 Code Snippets) \xe2\x80\x93 20 minutes \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0
2. Coding Test (2 Coding Questions) \xe2\x80\x93 70 minutes \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0
3. Workstyles Assessment \xe2\x80\x93 20 minuntes \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0
4. Reasoning Ability (24 Questions) \xe2\x80\x93 35 minutes \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0

Interview Round: Date \xe2\x80\x93 10/10/2021

Started with the Introduction. Without wasting any second, he came to the coding part \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0

He asked a coding question- \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0

1. Given an array of strings. Print first non-repeating string from the stream of strings in the given array.

   ```
   Input -> ["a","b","c","b","a"]          \r\nOutput -> ["a","a","a","a","c"]
   ```

   I gave 3 different approaches \xc2\xa0 \xc2\xa0\xc2\xa0 \xc2\xa0\xc2\xa0

   Approach 1: Brute Force \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0

   He asked me to optimize it. \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0

   Approach 2: I gave the second approach by using a queue and a map. \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0

   But queue operations needed O(n) time so he asked to optimize it and do it in constant time by using some other linear data structure. \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0

   Approach 3: I didn\xe2\x80\x99t know the solution prior so I kept thinking about it. After discussing and thinking a lot I came up with a solution. \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0

   I explained my approach by using a doubly-linked list and a map. Then he asked me to code it down. \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0

I gave the whole working code. \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0 \xc2\xa0

I was finally hired for the Internship at Amazon. I would like to thank GeeksforGeeks which helped me a lot in my preparation.

My Personal Notes\n*arrow_drop_up*

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