MIE Interview

About interview

* Interview is discussion not QnA
* Thinking capabilities are judged
* Learn it all, not know it all
* Codility Platform

Dos and Don’ts

* Confidence
* Be vocal, interact a lot, think loud
* Ask questions for clearity, it shows willingness to learn (ask constrains)
* Clean code
* Entire program, not just function
* Do random question after practice
* Stock interviewer
* Dry run before compile (take extreme example like empty list, limits)
* Iterate time complexity rather than wrong answer
* It’s ok to say you don’t know answer but also add how you will be figuring it out later

Topics:

* Project
* DataStructures

(Array, map, vector, string, stack, queue, linkedlist, tree, binarytree, binarySearchTree, Graph, bfs, dfs, heap, hashing)

(Avl tree, matrix, trie, segment tree)

* Algorithms (sorting, searching, recursion, dynamicProgramming, palindrome)
* Time and space complexity
* OOPS concepts
* System Design (how to design twiter, netflix, architecture)
* Sliding window
* Mentioned in resume (DBMS, java)

Tell me about yourself?

* Aspiration
* Solving world problems
* Values you bring to table
* Non-tech hobbies
* Dad and mom
* Take example from parents (teacher)
* Use words that describe qualities

Why should we hire you?

Why do you want to work at Microsoft?

Questions for interviewer? (Know about company and products -> windows, bing, teams) (Input on areas to do well)

Mock Interview platforms

* Interview bit
* Quick sort
* Pramp
* Pre placed

Resources

* PepCoding FAANG

<https://www.pepcoding.com/most-important-interview-questions-list-for-product-based-companies>

* Microsoft by Arsh Goyal

<https://docs.google.com/document/d/1-scZ8W0HHUCCT_5Z-elApjvAc2BPPzj9QpkU-xa5rkI/edit>

* Intuit by Arsh Goyal

<https://docs.google.com/document/d/1jwDPorOeDXuycV537hxG0enzRkg9cOyv_spbtBtEDkM/edit>

* Strivers SDE sheet

<https://takeuforward.org/interviews/strivers-sde-sheet-top-coding-interview-problems/>

* LeetCode top 100

<https://leetcode.com/problem-list/top-interview-questions/>

* GFG Microsoft

[https://practice.geeksforgeeks.org/explore?page=1&company[]=Microsoft&sortBy=submissions](https://practice.geeksforgeeks.org/explore?page=1&company%5b%5d=Microsoft&sortBy=submissions)

* LeetCode pattern website

<https://seanprashad.com/leetcode-patterns/>

* Khushbu goyal (2 days prep)

<https://docs.google.com/document/d/1Z0pwdymZicGdvJOuXVerxbwXViokp0rPCv0sk6QWGzk/edit>

* Interview bit (Microsoft questions)

<https://www.interviewbit.com/search/?q=Microsoft>