

Microsoft Interview Experience for SDE-2

- Difficulty Level : \n[Hard](#)
- Last Updated : \n17 Mar, 2021

Round 1(Problem-Solving Round): Questions

1. Linked list
2. Render
3. Dispatcher
4. Aggregation and composition
5. GPU Programming
6. Trees, Binary tree, BST
7. Convert a Binary Tree into its Mirror Tree \xe2\x80\x93 Complexity, test cases
8. Boundary Traversal of binary tree \xe2\x80\x93 Complexity, test cases
9. Threads
10. Semaphore
11. Mutex \xc2\xa0
12. Challenges faced while coding
13. Rest my current project related questions

Round 2(Design Round): Questions \xc2\xa0

1. Visitor Pattern
2. Singleton
3. Static
4. Singleton vs Static \xc2\xa0
5. Any other approach for logging other than singleton and static
6. How singleton is tightly coupled
7. Inheritance vs Association class \xe2\x80\x93 which one to choose \xe2\x80\x93 IS-A relationship choose inheritance, HAS-A choose association
8. Events
9. Logger design \xc2\xa0
10. Db Design \xe2\x80\x93 He gave me different scenarios and asked me to design for the same
11. No sql based db design
12. Challenges faced while designing
13. UML association
14. Rest my current project related questions

Round 3(Managerial Round): Questions

1. Strengths
2. Weakness
3. Challenges faced
4. Willing to relocate
5. What kind of work are you looking for
6. Why do you want to switch? If you will get similar work then what will you do
7. Swap linked list in pairs
8. MOQ, NUnit
9. Challenges faced, Complexity handled
10. Rest my current project related questions

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