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## Microsoft Interview Experience | Set 41 (On-Campus)

- Difficulty Level :[Expert](#)
- Last Updated :06 Dec, 2014

### MCQ Round:

15 MCQS were asked on c,c++, OS.

### Coding Round:

1) Given a linked list of co-ordinates where adjacent points either form a vertical line or a horizontal line. Delete points from the linked list which are in the middle of the line

\r\nEg:\r\n (0,10) -> (1,10)->(5,10) -> (10,10)\r\n | \r\n

2) Given a sorted array,convert it into bst

### Group Fly Round:

<https://www.geeksforgeeks.org/a-linked-list-with-next-and-arbit-pointer/>

The code should be written on paper and should be error free. No extra space should be used.

### Interview 1:

1) Given a linkedlist of moves of 2 players in tic-tac-toe game . Find who has won the game.

### Interview 2:

1) Given a pile of 9 objects. 2 players take turns to pick 1 , 2 or 3 objects . The last one to pick is the looser. What is the winning strategy? wining strategy for 9 coins

2) Asked to how to design a cache for dns records. I have told different approaches like First-in-First-Out, less frequently used,least recently used\r\n2\r\n6 He asked me to tell the strategy and code it. I told LRU and implemented this.

<https://www.geeksforgeeks.org/implement-lru-cache/>

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[All Practice Problems for Microsoft !](#)

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