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Microsoft Interview Experience | Set 78 (Telephonic for IT)

- Difficulty Level :[Medium](#)
- Last Updated :06 Nov, 2015

Following questions were asked in the second round of telephonic interview:

1. Asked about some questions related to Design patterns.

2. Find a loop in linked list

<https://www.geeksforgeeks.org/detect-and-remove-loop-in-a-linked-list/>

3. Length of the loop

Soln: Once the loop is detected, keep the slow pointer as it is, but move the fast pointer with a count variable until it reaches the slow pointer.

4. Variation of find a largest sum of contiguous array

<https://www.geeksforgeeks.org/largest-sum-contiguous-subarray/>

5. Given two nodes in a graph, check if they are connected or not. Pre processing can be done but the result should be computed real quick

Soln: Create a hash map with key as a single node and value as a list of all connected nodes

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