

# Amazon interview experience | Set 383 (On-Campus for Internship)

- Difficulty Level : \n[Medium](#)
- Last Updated : \n05 Dec, 2018

Amazon visited our campus for internship and placement. The Selection Process starts with an online test comprises of 20 technical questions involving data structures, operating system basic concepts, algorithms and aptitude questions and two coding questions.

## First Round Questions

1. Given an array find all sets of size 3 having sum of elements less than a given number k.  
[GeeksforGeeks Link](#)
2. Find n-th magic number.  
[GeeksforGeeks Link](#)

27 out of 150 were selected for the second round.

## Second round questions.

1. given a BST with additional information at each node how many nodes in its left subtree and right subtree. find the kth largest element in that tree.  
[GeeksforGeeks Link](#)
2. merge two sorted linked list.  
[GeeksforGeeks Link](#)

15 out of 27 got selected.

## 3rd round questions.

1. Given two rectangles diagonally opposite coordinates. find whether a rectangle is completely overlapping the other or not.  
[GeeksforGeeks Link](#)
2. Given a binary tree create a new tree which is mirror image of that tree.  
[GeeksforGeeks Link](#)
3. Given three consecutive even numbers. prove mathematically that atleast one of them is divisible by 6.  
[GeeksforGeeks Link](#)

This article is contributed by **Sorabh Jain**. If you like GeeksforGeeks and would like to contribute, you can also write an article using [contribute.geeksforgeeks.org](https://contribute.geeksforgeeks.org) or mail your article to [contribute@geeksforgeeks.org](mailto:contribute@geeksforgeeks.org). See your article appearing on the GeeksforGeeks main page and help other Geeks.

Please write comments if you find anything incorrect, or you want to share more information about the topic discussed above.

## Related Practice Problems

[Count triplets with sum smaller than X](#)

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