

# NEST Labs Bootcamp, August 2017

Day 4.

Take a minute to answer this: Who's the fastest marathon runner? I don't know, but hope that'd be you today, eh? It's 1 and 0 questions today *pal*, 10<sub>2</sub> marks per question answered. And you've got 11<sub>2</sub> hours for them too.

Disclaimer: It's a speed drill, so despite that these questions were sourced from the internet, your answers aren't expected to be from the same source - they should be unique as much as possible.

1. How do you find the third-from-last element in an array, in a single iteration?
2. You know what a linked list is, right? Implement one.
3. Given two arrays, 1,2,3,4,5 and 2,3,1,0,5 find which number is not present in the second array.
4. How do you find the second highest number in an integer array?
5. Print all permutation of String both iteratively and recursively.
6. How do you check if two strings are anagrams?
7. In an array 1-100, exactly one number is duplicate. How do you find it?
8. You remember the binary tree? Implement one.
9. How would you implement merge sort?
10. Check if a number is Armstrong number or not.

Have fun!