Coding Batch - September 2020

12th September 2020

What is the course about?

Teaching coding to people preparing for coding interviews.

Objectives:

After completing this course, the person should be able to:

a. Implement all basic data structures, namely trees, graphs, heaps, tries etc.
b. Should be able to solve problems that involve use of algorithms like binary search, two pointer, sorting, graph traversal etc.
c. Should be extremely comfortable with using maps, sets, lists, stacks, queues etc. from the C++ STL library.

Who is this course for?

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1. Ideally you have a degree in Computer Science (B.Tech, M.Tech, MCA, BSc-IT.).
2. You have a decent CGPA (Why is this important?).
3. You believe in yourself and you think "YES I CAN".
4. **You are willing to give 6 MONTHS to this effort.**
5. You have graduated any time in the past 4 years or are in 3rd/4th year.
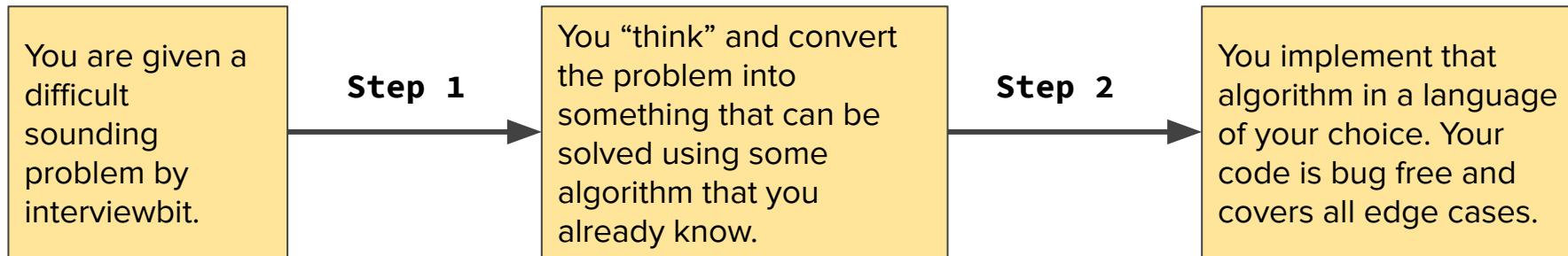
Who is this course NOT for?

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1. If you have never taken a programming, data structure, or algorithm course in college (or online).
2. If you are already able to solve medium level problems on leetcode.
3. If you can confidently:
    a. Delete a node from a binary search tree.
    b. Implement any of the shortest path algorithms.
    c. Then this course is definitely not for you, you just keep practicing.
4. If the idea of **preparing 6 MONTHS for a simple interview** seems like a bad use of time to you.

Syllabus and duration of the course.

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1. We will begin with the implementation of data structures, common algorithms, and cover some important type of interview questions in class.
2. Classes will be held in the evening only @9PM or later.
3. Days to be decided based on student feedback.
4. The course will take 2-3 months to complete.
5. I won't be solving problems a lot of problems in class, but YOU will solve problems on **interviewbit** and **leetcode**. Make accounts on both platforms.

Will I be able to crack Google interview after these classes?

Solving every coding problem involves *exactly* 2 steps.

You are given a difficult sounding problem by interviewbit.	**Step 1** →	You "think" and convert the problem into something that can be solved using some algorithm that you already know.	**Step 2** →	You implement that algorithm in a language of your choice. Your code is bug free and covers all edge cases.

I can only teach you step 2 of the problem solving process. The Step 1 skill can only be acquired with practice. So, in addition to classes, you still will have to put in approx. 5 months of **DAILY** practice to crack a tough interview.

I do not have time to practice right now, what should I do?

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Then you should not be attending these classes now, you will simply not absorb anything. We will run future batches as well, you may join those.

"My company/startup makes me work on late nights and weekends and I do not get time."

My advice to everyone, do not "work" 24x7. It is harmful for your career. Always spend atleast 20% of your time in your learning. Even when you have 10 years of experience.

Some motivation

What are the salaries at places like Microsoft, Amazon, Apple, Uber, Flipkart, Adobe etc.?

0-2 years experience start at 14-16 lacs per annum + 2-4 lacs worth of shares. If this is the starting point, you can easily imagine how it will grow.

Any guesses what could your salary be after working for 4 years at Microsoft?

If any questions, type in the chat box.