Module 3

Hi everyone, Congratulations on clearing the coding test and making it to Module 3!!

This is Module 3, one step closer to realizing your dream to become a Software developer. You have reached here with your efforts and hard work. But, it's not the end. We have to keep pushing forward to reach our final goal.

In this calendar, you will find an overview of the whole Module. For example Who will be teaching you? what all topics will be covered in the Module? What are the criteria to move into the next Module, etc? A week-wise plan for your oversight. So let's not wait and get right into it!!

Who is your instructor?
Uday Srinu, Currently working as an SDE at Amazon. Graduated from MNNIT Allahabad. He engages with his students so that even the difficult concepts or problems seem easy to crack.

What will be your class schedule?
Lecture: 9 pm to 11 pm
Homework Discussion: 8 pm to 9 pm

What can you expect from these sessions?
Lecture: You just can't afford to miss this session as your instructor will be covering all the concepts along with important problems in this session.

Homework Discussion: This session is very important as the homework problems given by the instructor in the previous lecture will be discussed during these sessions. Make sure you attempt all the homework problems by yourself before the next day's session.

Week 1
This Module is very important as you will be learning a bunch of important concepts
That will help you to keep a grip on the intermediate DSA. Following are the topics:
- Hashing
- Hashmaps
- 2 pointers & Sliding window

Week 2
This week we will be continuing the problem-solving around previous topics and learning an important algorithm. Also, we will be starting with DSA-based project building:
- 2 pointers & Sliding window
- Prefix sum
- Mini Project Building- Ping Pong, Sudoku Solver, etc.
- Bit Manipulation

Week 3
By this time you have learned a lot of major problems solving and you should focus on solving problems as much as you can. Concepts to be covered:
- Masking
- Trees
- Binary Search Tree(BST)

Week 4
Yes, you are in the endgame now. This week you will be solving some problems and starting with the major project building. Here are the topics:
- Some more problems on Trees and BST
- SQL(For project purpose)
- Major Project Building- Library Management Systems, Bank Management System, etc.

Amazing. You deserve a pat on the back!

You have completed the syllabus of Module 3 but the job is not done. Before we shift you to the next Module you will have to clear a Module coding test based on the topics of this Module. Once you clear it you will be shifted to Module D i.e. DSA Placement Prep Module. You need to complete 50% of the assignments to be eligible for the Module coding test.

Students who will not clear the test will have to repeat Module 3 as it is important for you to understand all the concepts thoroughly and be able to solve problems as well.

For the students who cleared the test and shifted to the new Module have to clear a mock interview as well to continue in Module D or will be again shifted back to Module 3.

You can contact your batch manager if you have any doubts regarding anything around this Module.

All the best!

Team AccioJob