JEDI Coders

*(We teach programming the way it should be)*

Wondering

*Q1) Do you want to start learning DSA?*

*Q2) Or have you started and left in between due to a lack of motivation?*

*Q3) Or are you already learning but is there no one to whom you can discuss?*

*Q4) You can think of a solution but can’t write your thoughts using code?*

*Q5) Can’t think of more than one approach to solve a problem?*

*Q6) Alas! There is no one to help me in this problem so, let’s see the solution or watch solution video or use ChatGPT.*

*Q7) Do you want to be the part of the small initiative where all have the same interest either to land on a good company or love to write codes every day.*

*Objective*

*Then we at JEDI Coders bring to you our new #DSAwithBuddies.*

*This will not be a typical video lecture series because there are already lots of resources available.*

*We will #practice and practice daily. Not only that be the part of the community where you can discuss anything about #competitiveprogramming (of course not the answer of a live contest 😉) and this all craziness will go on for 3-6 months.*

Perks of being Zdion

*1.Your peers will be guiding you to tackle the problems*

*2.24\*7 support channel on Discord(live/text).*

*3.Tips and Tricks to approach DSA problems*

*5.If You are a top performer in any certain topic then you will be helping and guiding others through brainstorming session.*

*6.We have curated parent problems for each topic.*

*7.Everthing will be taught live either physically or on YouTube.*

*8. We will be following Leet code, CSES, codeforces like platforms.*

DSAW/Buddies Series week wise plan

Prerequisite: Knows any one programming knowledge and basics of OOPS

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| Weeks | Topics |
| Week 1 | 1. Asymptotic analysis (Big-O notation) 2. Arrays 3. Strings |
| Week 2 | 1. Sorting and searching 2. Recursion |
| Week 3 | 1. Linked List 2. Doubly linked list |
| Week 4 | 1. Stacks 2. Queues 3. Doubly-ended queue |
| Week 5 | 1. Trees 2. Heaps |
| Week 6 | 1. General Mathematics 2. Number Theory 3. Bitwise Operations |
| Week 7 | 1. Divide and Conquer 2. Binary Search Related Problems. |
| Week 8 | 1. Backtracking 2. Greedy Algorithms |
| Week 9 | 1. Graphs and its Traversal 2. Graph Related Algorithms |
| Week 10 | 1. Basic Dynamic Programming |
| Week 11 | 1. Advance Dynamic Programming |
| Week 12 | 1. Segment Trees 2. Binary Index Tree |
| Week 13 | 1. Disjoint Sets 2. String Related Algorithms. 3. Topological Sorting. |
| Week 14 | 1. Miscellaneous Topics   Problem Solving   1. Tries |

Note:- STL classes will be learned as per the topics and only important topics will be covered

All the Best buddy

Homies (interested in taking lectures): <https://forms.gle/jHjzmCZPv7UiYxkS6>

JEDI Coders( interested in attending lectures):https://forms.gle/gJmUWv48Bhh1rgGy7