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June 20, 2022 · Strivers A2ZDSA Course

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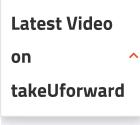
A2Z DSA Sheet Overview ⌄

Note: The Series doesn't focus on any specific programming language. Instead, it emphasizes logic and uses pseudocode. The first two basic videos might use C++, but for Java tutorials, you can watch other YouTube videos. When tackling core problems of data structures and algorithms (DSA), the Series uses pseudocode that isn't tied to any particular programming language. However, you can find code examples in your preferred language in the notes and articles provided.
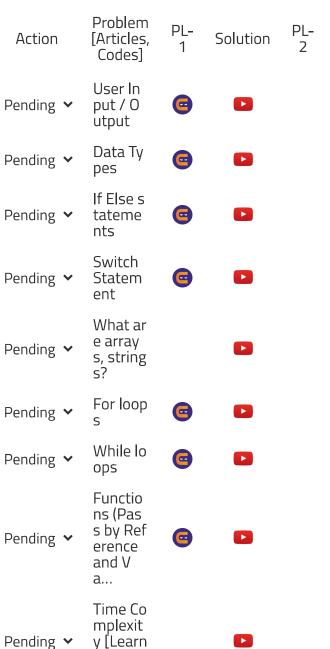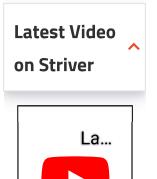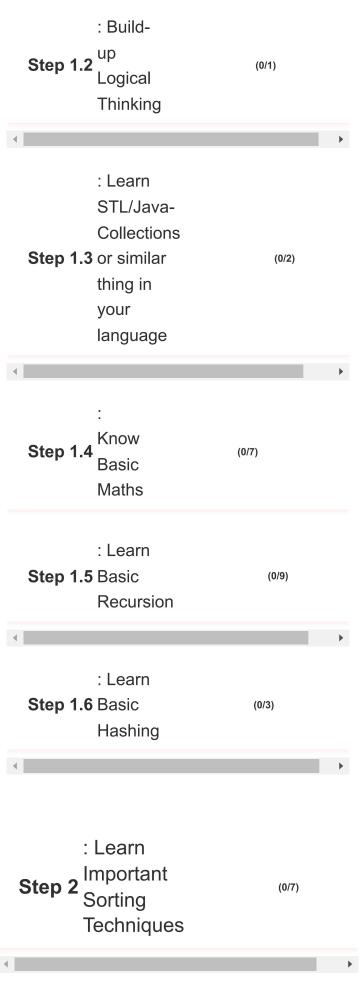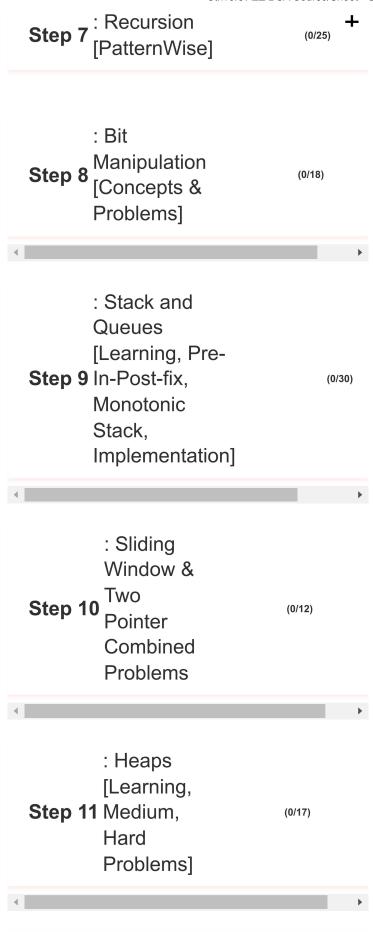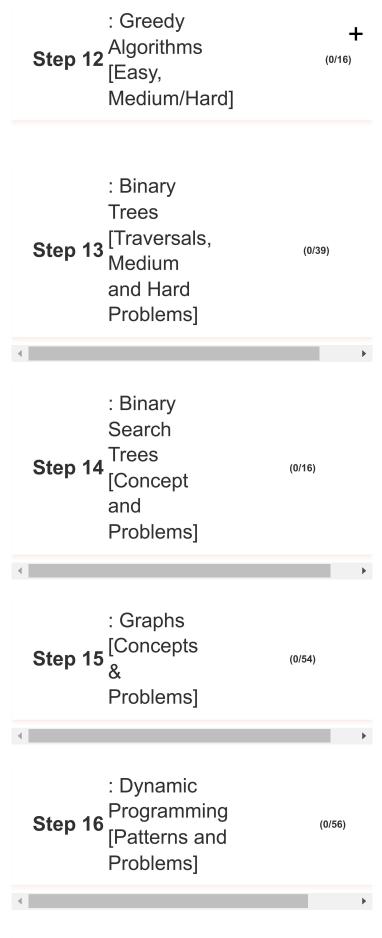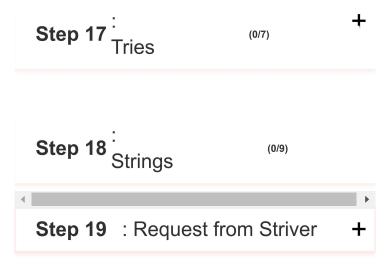
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(00M:55S) Marked for Revision: **0**

| Step 1 | : Learn the basics | (0/31) | ⋮ |

| Step 1.1 | : Things to Know in C++/Java/Python or any language | (0/9) |

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Action	Problem [Articles, Codes]	PL-1	Solution	PL-2
Pending ⌄	User Input / Output	🔵	▶️	
Pending ⌄	Data Types	🔵	▶️	
Pending ⌄	If Else statements	🔵	▶️	
Pending ⌄	Switch Statement	🔵	▶️	
Pending ⌄	What are arrays, strings?		▶️	
Pending ⌄	For loops	🔵	▶️	
Pending ⌄	While loops	🔵	▶️	
Pending ⌄	Functions (Pass by Reference and Va...	🔵	▶️	
Pending ⌄	Time Complexity [Learn Basics, and ...		▶️	

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| **Step 1.2** | : Build-up Logical Thinking | (0/1) |

| **Step 1.3** | : Learn STL/Java-Collections or similar thing in your language | (0/2) |

| **Step 1.4** | : Know Basic Maths | (0/7) |

| **Step 1.5** | : Learn Basic Recursion | (0/9) |

| **Step 1.6** | : Learn Basic Hashing | (0/3) |

| **Step 2** | : Learn Important Sorting Techniques | (0/7) |

Step 3 : Solve Problems on Arrays [Easy -> Medium -> Hard]   (0/40)

◀	▶

Step 4 : Binary Search [1D, 2D Arrays, Search Space]   (0/32)

Step 5 : Strings [Basic and Medium]   (0/15)

◀	▶

Step 6 : Learn LinkedList [Single LL, Double LL, Medium, Hard Problems]   (0/31)

◀	▶

Step 7 : Recursion [PatternWise]   **+**   (0/25)

Step 8 : Bit Manipulation [Concepts & Problems]   (0/18)

◄ ▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐ ▶

Step 9 : Stack and Queues [Learning, Pre-In-Post-fix, Monotonic Stack, Implementation]   (0/30)

◄ ▐▐▐▐▐▐▐▐▐▐▐▐ ▶

Step 10 : Sliding Window & Two Pointer Combined Problems   (0/12)

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Step 11 : Heaps [Learning, Medium, Hard Problems]   (0/17)

◄ ▐▐▐▐▐▐▐▐▐▐▐▐▐▐ ▶

Step 12	: Greedy Algorithms [Easy, Medium/Hard]	+ (0/16)

Step 13	: Binary Trees [Traversals, Medium and Hard Problems]	(0/39)

Step 14	: Binary Search Trees [Concept and Problems]	(0/16)

Step 15	: Graphs [Concepts & Problems]	(0/54)

Step 16	: Dynamic Programming [Patterns and Problems]	(0/56)

Step 17 : Tries   (0/7)   **+**

Step 18 : Strings   (0/9)

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Step 19   : Request from Striver   **+**

Frequently Asked Questions (FAQs)

Are these many questions enough for clearing any DSA round?   ⌄

Is this a language specific course?   ⌄

How do I get my doubts resolved?   ⌃

If you have any doubts, you can always open the youtube comments, and read through. Mostly all the common doubts are there in the YouTube section. If you still have doubts, we will highly encourage you to use technology, and open Bard/ChatGPT, and paste the code from our article, and ask them the doubt. This works for most of the use cases. If you still have doubt, you can post on the

youtube comments, Striver usually replies if the community has not.

What is the difference between Strivers SDE Sheet vs Strivers A2Z DSA Course? ^

The Strivers SDE sheet is for people who have interviews in near future, and they are already versed with DSA basics. The Strivers A2Z DSA Course is for people who are starting of, or they want to practice more problems on concepts.

Do I need to pay anything? ^

As of today, every thing on takeUforward is free, however we will be happy if you give us a shoutout if the content helps you. That will mean a world to us.

> Hurrah!! You are ready for your placement after some months of hard work! All the best, keep striving...
>
> — Striver

Share the course/sheet with your friends, created with love for takeUforward fam!

If you find any mistakes in the sheet, it can be a wrong link as well, please fill out the google form here, our team will check it on a weekly basis, thanks.

Strivers A2ZDSA Course

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