Topics	Resources
Data structures	• William fiset data structure playlist (https://www.youtube.com/playlist?list=PLDV1Zeh2NRsB6SWUrDFW2RmDotAfPbeHu) • Video 1 to 37 should be good enough. • For Union find data structures, Abdul Bari's YouTube videos are really helpful.
Educative courses	1. Data Structures in Python: An Interview Refresher. 2. Recursion for Coding Interviews in Python. 3. A Visual Introduction to Algorithms. 4. Data Structures and Algorithms in Python 5. Grokking the Coding Interview: Patterns for Coding Questions
Interview Cake	A good set of questions here as well. They provide you with an option to do it step by step with a few hints. That's really cool and helpful. I took the 3-week access to the course by paying around $49. You can always opt for the free option, I think they still provide you with the set of questions, you just don't have access to the interactive hints feature.
Gold	https://leetcode.com/discuss/general-discussion/494279/comprehensive-data-structure-and-algorithm-study-guide In case you are facing difficulty with a particular concept, please go through this post on leetcode. They have listed all the program paradigm and related resources in this article. I found it really helpful for Greedy, Divide and conquer, Backtracking, Branch and Bound and DP.

- Pay special attention to time and space complexities. Abdul bari's videos (As mentioned in the leetcode article and "Introduction to Complexity Measures" section in Educative "Data Structures in Python: An Interview Refresher" course should be good enough.
- Please refer to the diagram on the second page for a detailed study guide.
- As you get comfortable with the concepts, start with leetcode questions. It's always best to sort the questions based on the company in case you are preparing for a specific company.
- This list contains some most commonly asked interview questions. https://leetcode.com/list/x3pfqk07

```
William fiset data
structure playlist
```

- A good starting point for all data Structure related concepts.
- Video 1 to 37 should be good enough.

```
Recursion for
Coding Interviews
in Python.
```

- Finish it before you move to recursive data structures like trees and graphs.
- This will make you really comfortable with recursion and you won't have any problem visualising recursion in the future.

```
Data Structures in
Python: An
Interview
Refresher.
```

- A must to get comfortable with all the data structure questions.
- You can focus on the Data structures which seem difficult, It's not necessary to go through all of them if you are already comfortable (I would recommend hashing, trees, heaps and graphs)

```
A Visual
Introduction to
Algorithms.
```

- This course covers all the basic searching and sorting algorithms, It's good to glance over it once. If you face any difficulties, I would recommnd you spend some time with it.

```
Data Structures
and Algorithms in
Python
```

- **Not Mandatory (You can skip this one)**
- There are a few good tree questions in this one and that's it.

```
Grokking the
Coding Interview:
Patterns for
Coding Questions
```

- You are ready for this.
- Gold standard for coding interviews.