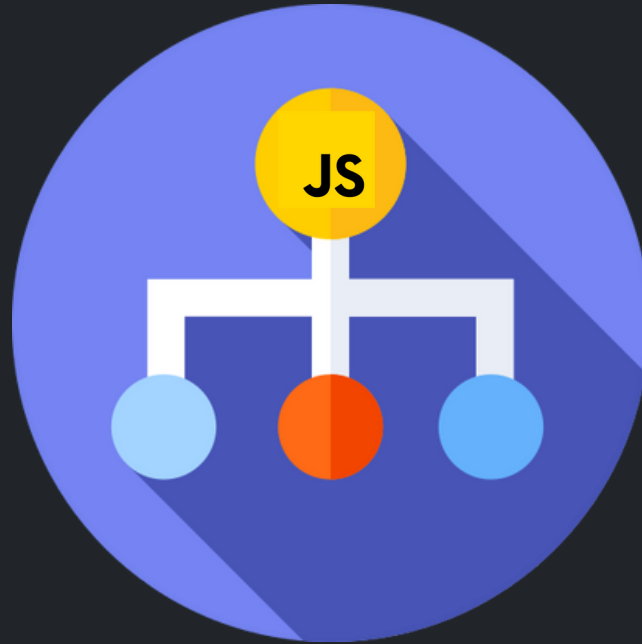# Data Structures
Resources (JS)

What are Data Structures ?

- Data structures are techniques for storing and organizing data that make it easier to modify, navigate, and access.

- Data structures determine how data is collected, the functions we can use to access it, and the relationships between data

Prerequisites

- Javascript concepts with ES6 & above
- Basic understanding of Algorithms
- Time and Space Complexity in Algorithms
- Big O notation

Types of Data Structure

✅ Built In Data Structures

✅ Custom Data Structures

Built In Data structures

- Arrays
- Objects
- Sets
- Maps

Custom Data structures

- Stacks
- Queues
- Linked Lists
- Hash Tables
- Trees
- Graphs

Websites

- Geeksforgeeks
  (https://www.geeksforgeeks.org/)

- Rootlearn
  https://dashboard.rootlearn.com/c/dsa/

- LearnersBucket
  (https://learnersbucket.com/)

- Frontendmasters
  https://frontendmasters.com/courses/data-structures-algorithms/

Websites

- Scaler (https://www.scaler.com/courses/data-structures-and-algorithms/)

- Programiz (https://www.programiz.com/dsa)

- Bigfrontend Dev

  https://bigfrontend.dev/

Youtube Channels

1. Codevolution

2. Academind

3. Code step by step

4. Freecodecamp

5. Javascript Mastery

6. Scaler

7. KodingKevin

8. Technical Suneja

9. Dr Sehgal

10. Traversy Media

Github Repos

01) TheAlgorithmsJavaScript

https://github.com/TheAlgorithms/JavaScript

02) javascript-algorithms

https://github.com/trekhleb/javascript-algorithms