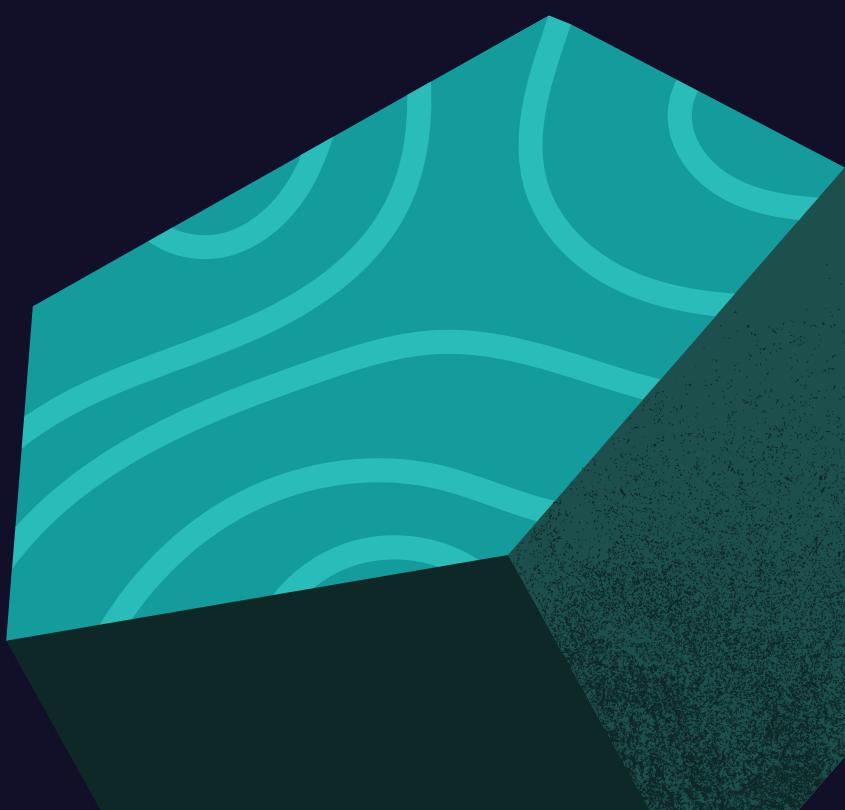
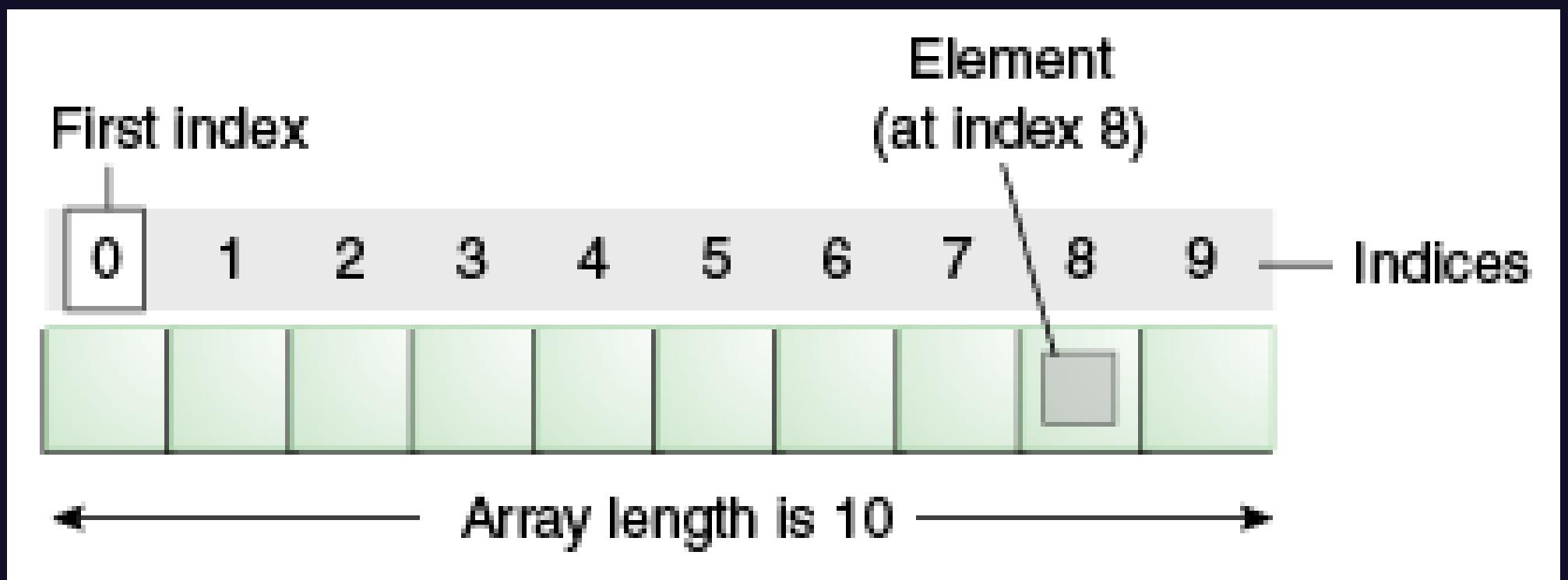
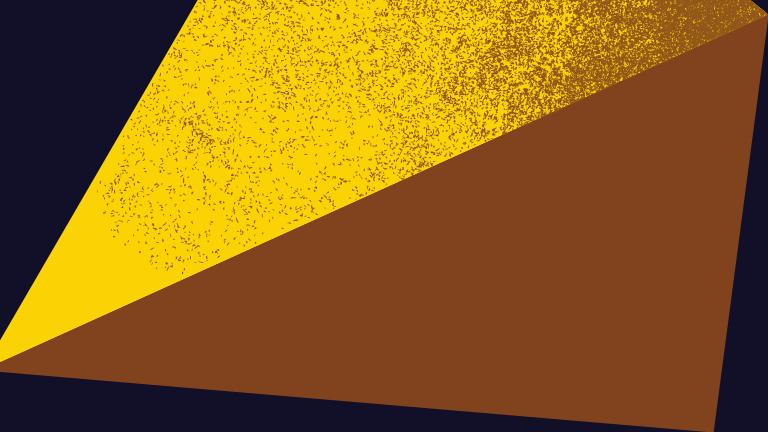


Arrays

Arrays a kind of data structure that can store a fixed-size sequential collection of elements of the same type.

Structure



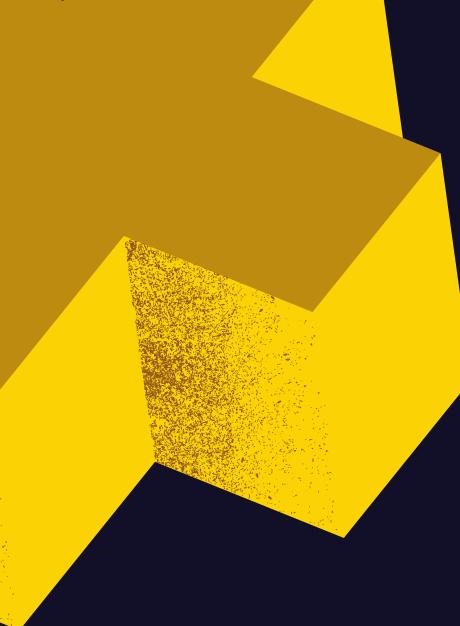


**It is a programming
concept.**

Introduction --

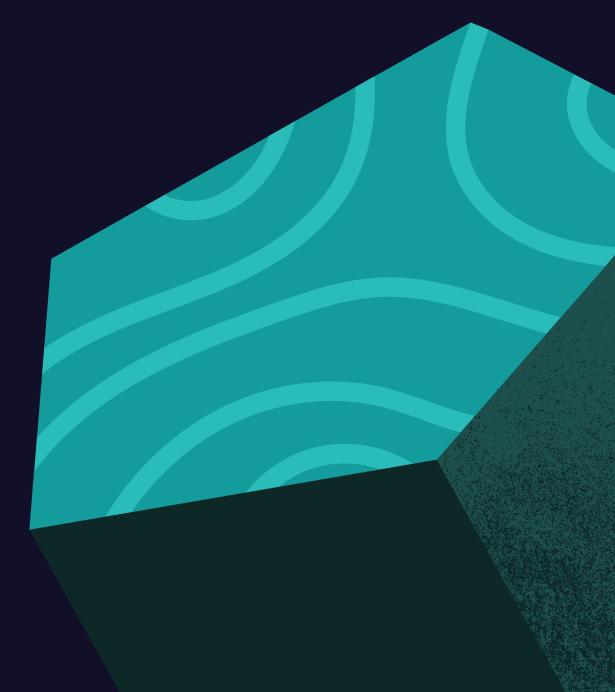
**One must solve
questions to get it
clear.**

<https://www.geeksforgeeks.org/introduction-to-arrays/>



Practise Questions

<https://www.geeksforgeeks.org/top-50-array-coding-problems-for-interviews/>



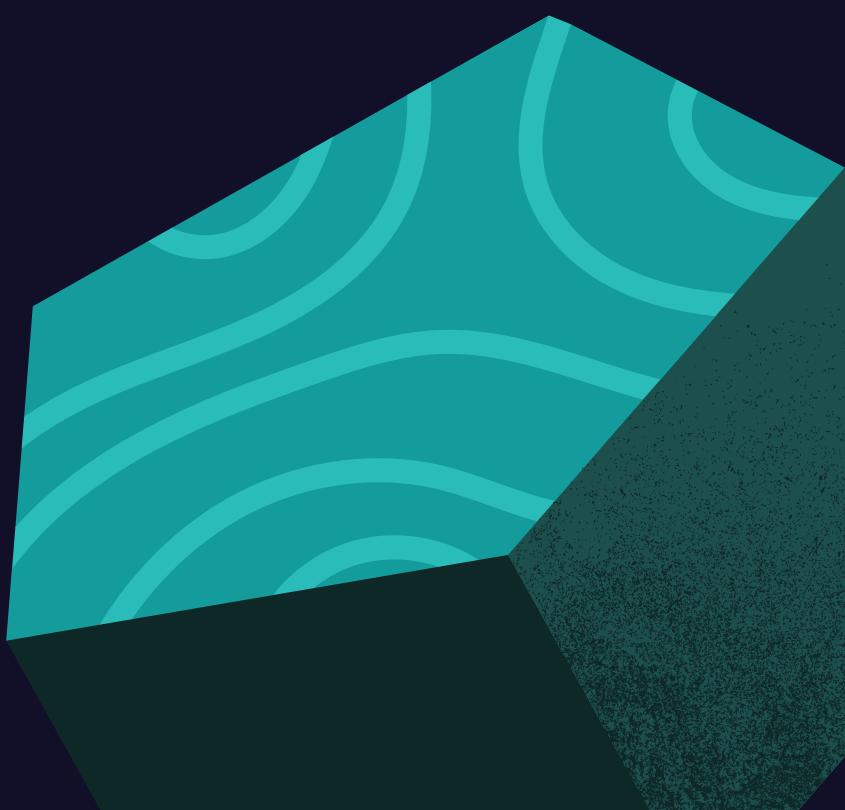
2D Array

Array with one more dimension

Structure

	0	1	2	n-1
0	a[0][0]	a[0][1]	a[0][2]	a[0][n-1]
1	a[1][0]	a[1][1]	a[1][2]	a[1][n-1]
2	a[2][0]	a[2][1]	a[2][2]	a[2][n-1]
3	a[3][0]	a[3][1]	a[3][2]	a[3][n-1]
4	a[4][0]	a[4][1]	a[4][2]	a[4][n-1]
..
n-1	a[n-1][0]	a[n-1][1]	a[n-1][2]	a[n-1][n-1]

a[n][n]



Practise Questions

http://www.cppforschool.com/assignment/array2_1.html



Sorting

Arranging elements in order

Types of Sorting

Bubble Sort

<https://www.w3schools.in/data-structures-tutorial/sorting-techniques/bubble-sort-algorithm/>

Merge Sort

<https://www.w3schools.in/data-structures-tutorial/sorting-techniques/merge-sort-algorithm/>

Insertion Sort

<https://www.w3schools.in/data-structures-tutorial/sorting-techniques/insertion-sort-algorithm/>

Selection Sort

<https://www.w3schools.in/data-structures-tutorial/sorting-techniques/selection-sort-algorithm/>

Quick Sort

<https://www.w3schools.in/data-structures-tutorial/sorting-techniques/quick-sort-algorithm/>

Practise Questions

<https://www.fullstack.cafe/blog/sorting-algorithms-interview-questions>

