

Prerequisites for Class-2

- What is an array?
- Types of arrays (static and dynamic)
- Array insertion and deletion operations.
- Linear and Binary search basics
- All sorting algorithms

Agenda for Class-2

- Bucketing technique:
 - [Smallest Positive missing number](#)
 - [Rearrange an array with O\(1\) extra space](#)
 - <https://www.geeksforgeeks.org/a-boolean-matrix-question/>
- Prefix sum technique:
 - [Frequencies of Limited Range Array Elements](#)
- [Kadane's Algorithm](#)
- [Max Circular Subarray Sum](#)
- Binary search:
 - <https://www.cs.usfca.edu/~galles/visualization/Search.html>
 - <https://www.geeksforgeeks.org/find-first-and-last-positions-of-an-element-in-a-sorted-array/>
 - <https://www.geeksforgeeks.org/find-square-root-number-upto-given-precision-using-binary-search/>
 - <https://www.geeksforgeeks.org/find-square-root-number-upto-given-precision-using-binary-search/>
 - <https://codeforces.com/problemset/problem/1352/C>
 - [Allocate minimum number of pages](#)