**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**](https://practice.geeksforgeeks.org/problems/smallest-positive-missing-number-1587115621/1/?track=DSASP-Arrays&batchId=458)
  + <https://www.geeksforgeeks.org/a-boolean-matrix-question/>
  + [**Frequencies of Limited Range Array Elements**](https://practice.geeksforgeeks.org/problems/frequency-of-array-elements-1587115620/1/?track=DSASP-Arrays&batchId=458)
* [**Kadane's Algorithm**](https://practice.geeksforgeeks.org/problems/kadanes-algorithm-1587115620/1/?track=DSASP-Arrays&batchId=458)
* [**Max Circular Subarray Sum**](https://practice.geeksforgeeks.org/problems/max-circular-subarray-sum-1587115620/1/?track=DSASP-Arrays&batchId=458)
* 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/floor-square-root-without-using-sqrt-function-recursive/>
  + <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**](https://practice.geeksforgeeks.org/problems/allocate-minimum-number-of-pages0937/1/?track=DSASP-Searching&batchId=458)