**Class Example :**

**SORTING :**

**Question 1 - Bubble Sort**

**Question 2 - Selection Sort**

**Question 3 - Insertion Sort**

**Binary Search :**

**Question 4 - Binary Search**

**Question 5 - FInding First or Last Duplicate**

**Question 6 - Finding Square Root**

**Practice Problem :**

**SORTING :**

**Sort elements by frequency :**

[**https://www.geeksforgeeks.org/sort-elements-by-frequency/**](https://www.geeksforgeeks.org/sort-elements-by-frequency/)

**Sort an array in wave form :**

[**https://www.geeksforgeeks.org/sort-array-wave-form-2/**](https://www.geeksforgeeks.org/sort-array-wave-form-2/)

**Check if any two intervals overlap among a given set of intervals :**

[**https://www.geeksforgeeks.org/check-if-any-two-intervals-overlap-among-a-given-set-of-intervals/**](https://www.geeksforgeeks.org/check-if-any-two-intervals-overlap-among-a-given-set-of-intervals/)

**How to sort an array of dates in C/C++ :**

[**https://www.geeksforgeeks.org/how-to-sort-an-array-of-dates-in-cc/**](https://www.geeksforgeeks.org/how-to-sort-an-array-of-dates-in-cc/)

**Sorting Strings using Bubble Sort :**

[**https://www.geeksforgeeks.org/sorting-strings-using-bubble-sort-2/**](https://www.geeksforgeeks.org/sorting-strings-using-bubble-sort-2/)

**Find missing elements of a range :**

[**https://www.geeksforgeeks.org/find-missing-elements-of-a-range/**](https://www.geeksforgeeks.org/find-missing-elements-of-a-range/)

**Sort even-placed elements in increasing and odd-placed in decreasing order :**

[**https://www.geeksforgeeks.org/sort-even-placed-elements-increasing-odd-placed-decreasing-order/**](https://www.geeksforgeeks.org/sort-even-placed-elements-increasing-odd-placed-decreasing-order/)

**Sort a Matrix in all way increasing order :**

[**https://www.geeksforgeeks.org/sort-matrix-way-increasing-order/**](https://www.geeksforgeeks.org/sort-matrix-way-increasing-order/)

**Ternary Search :**

[**https://www.geeksforgeeks.org/ternary-search/**](https://www.geeksforgeeks.org/ternary-search/)

**Binary Search :**

**Count 1’s in a sorted binary array :**

[**https://www.geeksforgeeks.org/count-1s-sorted-binary-array/**](https://www.geeksforgeeks.org/count-1s-sorted-binary-array/)

**Kth smallest element in 2D array :**

[**https://www.geeksforgeeks.org/kth-smallest-element-in-a-row-wise-and-column-wise-sorted-2d-array/**](https://www.geeksforgeeks.org/kth-smallest-element-in-a-row-wise-and-column-wise-sorted-2d-array/)

**Search an element in a sorted and rotated Array :**

[**https://www.geeksforgeeks.org/search-an-element-in-a-sorted-and-pivoted-array/**](https://www.geeksforgeeks.org/search-an-element-in-a-sorted-and-pivoted-array/)

**Find the Minimum element in a Sorted and Rotated Array :**

[**https://www.geeksforgeeks.org/find-minimum-element-in-a-sorted-and-rotated-array/**](https://www.geeksforgeeks.org/find-minimum-element-in-a-sorted-and-rotated-array/)

**Find the closest pair from two sorted arrays :**

[**https://www.geeksforgeeks.org/given-two-sorted-arrays-number-x-find-pair-whose-sum-closest-x/**](https://www.geeksforgeeks.org/given-two-sorted-arrays-number-x-find-pair-whose-sum-closest-x/)