

# BINARY SEARCH

## DAY 1

<https://leetcode.com/problems/search-insert-position>

<https://practice.geeksforgeeks.org/problems/floor-in-a-sorted-array-1587115620/1>

<https://practice.geeksforgeeks.org/problems/ceil-the-floor2802/1>

[Find First and Last Position of Element in Sorted Array - LeetCode](#)

<https://practice.geeksforgeeks.org/problems/number-of-occurrence2259/1>

[Search in Rotated Sorted Array - LeetCode](#)

[Search in Rotated Sorted Array II - LeetCode](#)

[Find Minimum in Rotated Sorted Array - LeetCode](#)

<https://practice.geeksforgeeks.org/problems/rotation4723/1>

[Single Element in a Sorted Array - LeetCode](#)

<https://leetcode.com/problems/find-pivot-index/>

<https://leetcode.com/problems/find-peak-element/>

## DAY 2

[Search a 2D Matrix - LeetCode](#)

[Search a 2D Matrix II - LeetCode](#)

[Find a Peak Element II - LeetCode](#)

<https://practice.geeksforgeeks.org/problems/median-in-a-row-wise-sorted-matrix1527/1>

[Sqrt\(x\) - LeetCode](#)

[Aggressive Cows | Practice | GeeksforGeeks](#)

[https://www.codingninjas.com/studio/problems/allocate-books\\_1090540](https://www.codingninjas.com/studio/problems/allocate-books_1090540)

<https://practice.geeksforgeeks.org/problems/capacity-to-ship-packages-within-d-days/1> OR [Capacity To Ship Packages Within D Days - LeetCode](#)

[Koko Eating Bananas - LeetCode](#)

[Minimum Number of Days to Make m Bouquets - LeetCode](#)

## DAY 3

<https://leetcode.com/problems/kth-missing-positive-number>

[Find the Smallest Divisor Given a Threshold - LeetCode](#)

[Median of Two Sorted Arrays - LeetCode](#)

[Minimize Max Distance to Gas Station | Practice | GeeksforGeeks](#)

[Split Array Largest Sum - LeetCode](#)

## Bonus

Order not known.

Binary Search on Reverse Sorted array

Next Alphabetical element

Find position of an element in an infinite sorted array

Index of first 1 in a binary sorted infinite array

Minimum difference element in a Sorted array