**Problems in Binary Search**

1. Find the number of rotations in a circularly sorted array
2. Search an element in a circularly sorted array
3. Find the first or last occurrence of a given number in a sorted array
4. Count occurrences of a number in a sorted array with duplicates
5. Find the smallest missing element from a sorted array
6. Find floor and ceil of a number in a sorted integer array
7. Search in a nearly sorted array in logarithmic time
8. Find the number of 1's in a sorted binary array
9. Find the peak element in an array
10. Find the missing term in a sequence in logarithmic time
11. Find floor and ceil of a number in a sorted array (Recursive solution)
12. Find the frequency of each element in a sorted array containing duplicates
13. Find the square root of a number using a binary search
14. Division of two numbers using binary search algorithm
15. Find the odd occurring element in an array in logarithmic time
16. Find pairs with difference k in an array | Constant Space Solution
17. Find k closest elements to a given value in an array