

DAA LAB-1 (24th July 2024)

1. Implement Insertion sort on array.
 - (a) Iterative
 - (b) Recursive (without any loop)
2. Given an array of size N containing only 0s, 1s, and 2s. Sort the array in ascending order in linear time with constant space and traverse the array only once.
3. Calculate majority element.
Find all elements that appear more than $n/3$ times in the array 'A' of size n .
Solve the problem with constant space and linear time.

Bonus Question

4. Implement insertion sort on linked list.
 - (a) Iterative
 - (b) Recursive