Data Structures and Algorithms - Assignment 1

1. Write a linear search algorithm to return index of last occurance of key.

2. Write a program to print no of comparisions done to search a key in i. linear search ii. binary serach

3. Create array of employees and search employee by i. empid ii. salary

4. Implement binary search algorithm if array is sorted in descending order.

5. Implement linear search algorithm to find the nth occurence of the given element. If nth occurrence is not found, return -1.

6. Find the first non-repeating element: Input: { 1, 2, 3, -1, 2, 1, 0, 4, -1, 7, 8 } Ouput: 3

7. Leetcode : https://leetcode.com/problems/binary-search/description/

8. Leetcode : https://leetcode.com/problems/missing-number/description/

9. Leetcode : https://leetcode.com/problems/find-smallest-letter-greater-than-target/description/

10. Leetcode : https://leetcode.com/problems/find-first-and-last-position-of-element-in-sorted-array/description/