

# Searching and Sorting Lab

1. Sort an array **RECURSIVELY** using **selection** sort algorithm.
2. Sort an array **RECURSIVELY** using **insertion** sort algorithm.
3. Sort a **singly linked** sequential list using **bubble** sort algorithm.
4. Sort a **singly linked** sequential list using **selection** sort algorithm.
5. Sort a **DOUBLY linked** sequential list using **insertion** sort algorithm.
6. Implement **binary search** algorithm **RECURSIVELY**.
7. Implement a recursive algorithm to find the n-th Fibonacci number using memoization.