

## Lab 01 – Review

1. Write a JAVA program to sort a given list of n integers into ascending order using **selection sort**.
2. Implement **Linear Search** on list of integers.
3. Implement **Binary Search** using recursion on a sorted list of integers.
4. Use **Recursion** for the following methods:
  - a. Generating Fibonacci series.
  - b. Copy one string to another.
  - c. To check if a string is a Palindrome.
  - d. Finding the first capital letter in a string.
  - e. To read a line of text and write it out backwards using Recursion.
5. Simulate the working on **Tower of Hanoi** for n disks. Print the number of moves.