

## **LAB 2 (DAA)**

**Q1:** Sort a given set of elements using bubble sort and hence find the time required to sort elements.

**Q2.** Sort a given set of elements using selection sort and hence find the time required to sort elements.

**Q3.** Given a string called TEXT with 'n' characters and another string called PATTERN with 'm' characters ( $m \leq n$ ). Write a program which implements brute force string matching to search for a given pattern in the text. If the pattern is present, then find the position of first occurrences of Pattern in that Text. make an elaborated lab assignment for students

### **Task to be completed:**

- ☐ Write the pseudocode for the algorithm.
- ☐ Implement the solution in any language.
- ☐ Try to Analyze the time complexity of your solution.