**Prelab-Week-1**

**Prelab Questions:**

1. Define an Algorithm.
2. List the criteria to design an algorithm.
3. Write the Pseudocode conventions for Conditional statements, Control Loops and Record data type.
4. Write an algorithm to find factorial of a given number.
5. Define Space complexity and Time Complexity
6. What is a Priority queue?

**Prelab Programs:**

1. Implement the following sorting techniques.
2. Merge Sort
3. Quick Sort
4. Heap Sort
5. Write a program to implement Binary Search
6. Implement Hashing with different collision resolution techniques.