Institute of Information Technology

Noakhali Science and Technology University
Software Engineering Program
Course Title: CSE1202 Course Code: Data Structure Lab
Stack Queue and Recursion Problem List

Queue Problem List:

- 1. Write a C Program for Queue Introduction and Array Implementation
- 2. Write a C program to implement the Circular Queue
- 3. Write a C Program for Linked List Implementation of Queue
- 4. Write a C Program for Implement Queue using Stacks
- 5. Write a C Program for Check whether a given Binary Tree is Complete or not

Stack Problem List:

- 1. Write a C Program for Introduction to Stack
- 2. Write a C Program for Infix to Postfix Conversion using Stack
- 3. Write a C Program for Reverse a String using Stack
- 4. Write a C Program for Implement two stacks in an array
- 5. Write a C Program for Check for balanced parentheses in an expression
- 6. Write a C Program for Reverse a stack using recursion
- 7. Write a C Program for Implement Stack using Queues
- 8. Write a C Program for Design a stack with operations on middle element
- 9. Write a C Program for quick sort using two stack

Recursion Problem List:

- 1. Write a program to find out the value of n!
- 2. Write a code to implement the Fibonacci sequence algorithm