

Silicon Institute of Technology, Bhubaneswar

B. Tech. 2nd Semester, Section – B

DSA Lab Assignment : #9 (Operations on Stack & Queue using Linked List)

Date: 16 – 06 - 2022

Name of the Student:

Registration Number:

1. Write a program in C to implement Stack and its various operations using linked list. The various operations with the stack are:
 - a) Create a stack
 - b) Check whether it is empty or not?
 - c) Check whether it is full or not?
 - d) Insert operation (PUSH operation) with the stack.
 - e) Delete operation (POP operation) with the stack.
2. Write a program in C to implement Queue and its various operations using linked list. The operations with the queue are:
 - a) Create a queue
 - b) Check whether it is empty or not?
 - c) Check whether it is full or not?
 - d) Insert operation with the queue.
 - e) Delete operation with the queue.

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