Indian Institute of Information Technology Vadodara

Lab Assignment 7

CS162: Introduction to Data Structures Laboratory

General Instructions:

1. The classes that you will be making in this assignment need to be generic.
2. Attach the codes in the document along with the screenshots of your outputs.
3. Clean and well indented codes are encouraged and carry extra marks.
4. The submissions should be made on/before the deadline.
5. Make sure to turn in your assignment after uploading
6. Any late submissions would attract negative marks.

1. **Implement a Queue using LinkedList**
   a. The name of the class should be "QueueLL"
   b. The class should have all the functions as described in the lecture.

2. **Create a Driver/Application class to run the Queue**
   a. The driver class should have a main method.
   b. While creating the list either insert the letters of your name as input or the digits of your roll number as the input.
   c. Run all the methods of queue class one by one and print them as output.

3. **Implement the following:**
   a. stack using queue
   b. queue using stack