

1. Implement a Doubly Linked List and Circular Linked list.
 - a. You must use templates(if in C++) and generics(if in Java). Your data structures should be able to handle any type of input data including custom classes.
 - b. Make sure your code is robust and error-free. You will be using your implemented data structure during Online.
 - c. You should only require three classes: Node, Doubly Linked List, and Circular Linked List. All of them should be in separate files. Then, you can bring them to one file using the import functionality of your preferred programming language.
 - d. Only C++ and Java are allowed.
2. Your linked lists should implement the following methods:
 - a. `InsertAt(Node newNode, int index)`
 - b. `DeleteFrom(int index)`
 - c. `GetLength()`: In both $O(1)$ and $O(n)$ time complexity.
3. Note that the spec might be updated a few times until the submission deadline with additional details and modifications. Check ELMS from time to time if there are any additional updates/requirements.
4. Submission requirements:
 - a. Take all the codes(only codes) and put them in a folder with your roll number as the name of the folder.
 - b. Compress it in .zip format and submit it.