**DSA Assignment 1**

**Problem 1. (Done)**

Create a Circular DLL class that supports the following operations. The list must support the sentinel nodes as discussed in the book. All operations should run in O(1) time.

* addStart()
* addEnd()
* removeStart()
* removeEnd()
* size()

**Problem 2.**

Write a static method named concatCDLLs, which receives 2 circular DLLs and concatenates them to form a single CDLL, which should be returned from the function.

**Problem 3.**

Write a static method named mergeCDLLs, which receives 2 sorted circular DLLs and merges them to form a new CDLL such that the new CDLL is also sorted. This function should also assert that the 2 input circular DLLs are sorted. For this purpose, you can create a separate helper boolean function isSorted, which checks whether a CDLL is sorted or not.