

TCP1201 Object-Oriented Programming and Data Structures

Lab12 Implementing LinkedLists

Exercise 1: Implementing MyLinkedList Class

Without copy and paste the code provided by the lecture, define a **MyLinkedList** class that supports the operations listed in the sample run below. Write a test program to test your **MyLinkedList** class. Your test program shall produce the output similar to Lab 11 Implementing ArrayLists. The range of random integers is 0-99.

Sample run:

```
MyLinkedList: []
Size: 0
1 - Add random integer as first
2 - Add random integer as last
3 - Add random integer at specified index
4 - Get first integer
5 - Get last integer
6 - Get integer at specified index
7 - Remove first integer
8 - Remove last integer
9 - Remove integer at specified index
10 - Clear list
0 - Exit
Command >
```