

CSC 2111 Lab 23

Objectives:

- Implement basic functionalities using *Linked Lists*

Question:

Download **Lab23.cpp**. Write a menu-driven C++ program to implement the following *Linked list* operations:

1. `node *insertEnd(node *current_head)`
Precondition: Prompts the user to enter an integer number.
Post-condition: Insert that number at the end of the list and returns the header node.
2. `void printList(node *head)`
Post-condition: Prints the numbers of the list from beginning to the end. It shows a message if the list is empty.

Output:

```
C:\WINDOWS\system32\cmd.exe
1. Add a number in the end.
2. Print list.
3. Quit
Please enter a choice: 1
Please enter the number: 10
Number inserted into the list.

1. Add a number in the end.
2. Print list.
3. Quit
Please enter a choice: 1
Please enter the number: 20
Number inserted into the list.

1. Add a number in the end.
2. Print list.
3. Quit
Please enter a choice: 1
Please enter the number: 30
Number inserted into the list.

1. Add a number in the end.
2. Print list.
3. Quit
Please enter a choice: 2
Linked list: 10 20 30
```