## Lab 05: Single Link List

In this assignment you are going to implement a set functions for a single link list.

Note: Students must demonstrate their lab in the following week of November 23rd, 2020 to get the grade. This lab is worth 20marks. A Missed demonstration will result in 25% grade deduction. Late submission and late demonstration to the lab is welcomed but with a loss of marks. That is, you do not earn full marks for late submission. 10% penalty for every day late up to 50%. Work will not be accepted after 10 days.

**Due Date: November 23rd, 2020 (23:59)** 

You must talk to your lab professor in case of any unprecedented situation which may result in late submission.

You are required to submit the properly commented (as per assignment submission standards doc on BrightSpace) text file of your code along with a screenshot of the output.

Given the following data type:

```
typedef struct node {
  int data;
  struct node *next;
}node_t;
```

## and the given functions:

## Implement the following function by the end of the lab:

You MUST implement the *llist\_free( )* function as it is required in all tests.

By the end of the lab you must demonstrate the passing of at least 5 tests, including at least 2 easy function and 2 medium functions.

Starting code, *makefile* and tests are provided.