Create a directory called labs on your machine using mkdir labs and move into that directory with cd labs

- 1. Name this program one. c You can download the starting one. c from Blackboard. The starting one. c creates a linked list of 12. creates a linked list of 13 nodes to represent "ELEVENPLUSTWO". Your job is to relink the 13 nodes in the space to form a list of 15 nodes in the space to 15 nodes in the 15 nodes in the space to 15 nodes in the 15 nodes in the space to specified space to form a linked list to represent "ELEVENPLUSTWO". Your job is to relink the 13 hours of these 13 nodes. V field of these 13 nodes. You can't change the "info" field of any nodes.
- 2. Name this program two.c-You can download the starting two.c as shown below from Blackboard. This program will first build a linked list to represent the command line arguments. Please do not include the command name. It then prints out the linked list in the format as specified below.

```
#include <stdio.h>
  #include <string.h>
  #include <stdlib.h>
 typedef struct _argument {
         char *argument;
         struct _argument *next;
   Argument;
 // Build a linked list to represent the command line arguments.
 // Return the head of the linked list built.
// Please do not include the command name.
Argument *buildList(int argc, char *argv[]);
// Print the linked list. For example, if the user enters
// ./a.out Monday Tuesday Wednesday Thursday Friday
// it prints Monday-->Tuesday-->Wednesday-->Thursday-->Friday
void printList(Argument *head);
int main(int argc, char *argv[])
   Argument *head=buildList(argc, argv);
   printList(head);
   return 0;
```

Your job is to complete the two functions as specified below.

- Argument \*buildList(int argc, char \*argv[]); Build a linked list to represent the command line arguments (excluding the command name) and return the head of the linked list built.
- void printList (Argument \*head); Print the linked list. For example, if the user enters ./a.out Monday Tuesday Wednesday Thursday Friday then the program should print Monday-->Tuesday-->Wednesday-->Thursday-->Friday Make sure the program prints an arrow (-->) between two arguments.

## Submit your lab

First, on your machine, compress your lab8 directory into a single (compressed) file, i.e. lab8.zip. Second, once you have a compressed file named lab8.zip, submit that file to Blackboard.