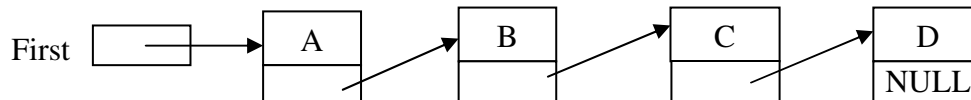


CST 238 – Fall 2013
Homework 7 (Bonus: 50% Credits of Regular Homework)
Due: 11/08/2013 (Friday) (11:55 PM) – No bonus credit if you miss the due date.

1. (20 points) Download the sample code of a linked list class (**Linked List Class – Sample**) from the **iLearn**. Make a project called **hw7** with the three files.

In the assignment, your program should ask a user to enter a text string and store the input character(s) in a linked list. For example, if a user entered an input text **ABCD**, your linked list should store it as below:



Then, your program should ask a substring and delete the substring from the linked list. The following presents a sample run of the program.

```
Enter a string: MARINACABCOMPANY
Enter a substring: CAB
Substring CAB is found and deleted.
String is MARINACOMPANY
```

This is another sample run:

```
Enter a string: CSUMBCSIT
Enter a substring: MBA
Substring MBA is not found.
String is CSUMBCSIT
```

In the assignment, you can assume that a user always types the strings in uppercase letters. To run the program, you should also develop the test driver program, **linked_list_tester.cpp**.

How to turn in?

Submit your source programs (**LinkedList.cpp**, **LinkedList.h**, and **linked_list_tester.cpp**) on the iLearn.