

COM S 213 – Fall 2004

Assignment #5

Get to know MyString

Due September 30, 2004

There are two purposes for this assignment. The first is to familiarize yourself with the `MyString` class a little more—we will use it for a couple of subsequent assignments. The second purpose is to gain experience in looking up reference material on C and C++. The assignment will be easy, but you will have to do a little research on topics not covered in the Late Night Guide.

Your assignment is simply to add the following member functions to the `MyString` class, and to show those functions being tested appropriately:

MEMBER FUNCTION	DESCRIPTION
<code>string substr(int start, int end)</code>	Returns a C++ string containing all the characters in the <code>MyString</code> from the starting position to the end position. The end parameter should have a default argument which signifies that everything to the end of the <code>MyString</code> should be taken.
<code>void uppercase()</code>	Converts the <code>MyString</code> (in place) to all uppercase letters, leaves punctuation/digit/other characters alone.
<code>void lowercase()</code>	Converts the <code>MyString</code> (in place) to all lowercase letters, leaves punctuation/digit/other characters alone.
<code>bool findStr(string aStr)</code>	Returns <code>true</code> if <code>aStr</code> exists somewhere in the <code>MyString</code> . Returns <code>false</code> otherwise.

There are a number of Standard C library functions which may help you implement these member functions, or you may choose to work with the C strings (character arrays) directly.

This assignment does not go into detail on purpose, but feel free to ask questions if you have them!

You will need to turn in a full `MyString.h`, `MyString.cpp` and a `main.cpp` where you have a short program which tests these member functions.