

# CSC 2111 Lab 13

## Objectives:

1. Learn about the pointer data type and pointer variable
2. Learn about dynamic arrays

## Question:

Write a program that prompts the user to input a string and outputs the input string such that **every even character** in the string is in **lower case** and **odd character** in the string is in **upper case**.

- 1- You MUST use a dynamic array of character (C-STRING) with the length of 128 characters to store the user input string in the *main* function.
- 2- Pass the input string to a function named *stringManipulator* which generates the desired output in the console.
- 3- Finally release the allocated memory.
- 4- Implement the body for given function prototype to produce the final output.

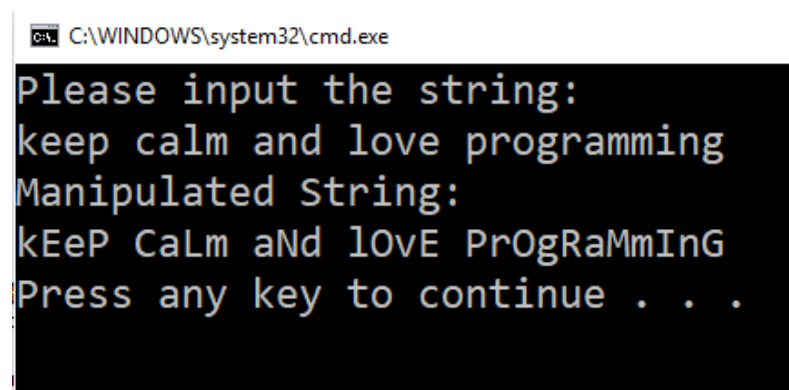
```
void stringManipulator(char *inputCstr);
```

*Pre-condition:* Accepts a dynamic array of character (C-STRING) as the input parameter.

*Post-condition:* Outputs the string such that every even character in the string is in lower case and every odd character in the string is in upper case letter.

Submit a single cpp file. Write your program to get the same output.

## Output:



```
C:\WINDOWS\system32\cmd.exe
Please input the string:
keep calm and love programming
Manipulated String:
kEeP CaLm aNd lOvE PrOgRaMmInG
Press any key to continue . . .
```