Lab 10 Strings

Objectives:

- Learn the basic operations with Strings.
- Differentiate between C Strings and 2D arrays.
- Using built-in C functions for string manipulation.
- Develop custom functions for C String manipulation.

Reading Task 1: Working with Arrays

Chapter 09 Puppetting on Strings (pages 327 to 353) from the book: “Let us C” by Yashavant Kanetkar.

In-Lab Task 1:

Write a C Program that does the following:

1. Declares a C-String called ‘**m1**’ and initializes it with text “Programming is great fun!”.
2. Uses C-function puts() to print this string.
3. Asks the user to enter a String named ‘**m2**’ (**Hint**: Use gets() function for this.)
4. Concatenates the two strings and stores the result in ‘**m3**’.

   For example if the user enters **m2** as “Not Really!”, **m3** should be “Programming is great fun! Not really!”

5. Inserts the user entered array (**m2**) into **m1** after “Programming is ...”

   For the above example, the resultant String would become “Programming is Not really! great fun!”

In-Lab Task 2 a:

Write a program that converts a string like "124" to an integer 124.

In-Lab Task 2 b:

Write a program that replaces two or more consecutive blanks in a string by a single blank. For example, if the input is

“Grim return to the planet of apes!!”

the output should be

“Grim return to the planet of apes!!”

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