

COM1002 LAB Q2

Question:

Write a C program that performs the following task:

Task:

Given a string consisting of **lowercase English letters only** (a–z), remove all **duplicate characters** from the string **in-place**, keeping only the first occurrence of each character.

Requirements:

1. Implement a function named `removeDuplicates()` that takes a character array (string) as input and removes all duplicate characters from it in-place.
2. In the `main()` function, read a string of **maximum 200 characters** from the user.
3. Only use the standard headers: `stdio.h` and `string.h`.
4. You may assume the input will contain **only lowercase letters**

Example input-output:

Enter your Word=abacabad

New Word=abcd

Enter your Word=hello

New Word=helo

Enter your Word=programming

New Word=progamin