**Data Structure Lab Problems**

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|  | **Problem List** |
| **STRING** | 1. Take an input string from user. Find out the length of string and number of words in the string. strlen() function using is not allowed.   **Input:** Bangladesh is my country  **Output: Length:** 24  **Words:** 4   1. Take two strings as input and concatenate the two strings without using strcat() function.   **Input: String1:** American International  **String2:** University Bangladesh  **Output:** American International University Bangladesh   1. Find out the index number from a string.   **Input: String:** I am a student of AIUB  **Index Input:** of  **Output:** Position of Index: 16   1. Insert a string inside of another string from any position.   **Input:**  **String1:** I am student  **String2:** of AIUB  **Position:** 14  **Output: String1:** I am a student of AIUB **String2:** of AIUB   1. Find out sub string from a string.   **Input:** I am a student  **Enter Initial and Length:** 3 4  **Output:** am a   1. Create a function which is similar to the characteristic of strcpy(s1,s2) where s2 string is copied in s1 string.   **Input: String1:** AIUB  **String2:** CSE  **Output: String1:** CSE  **String2:** CSE   1. Create a function which is similar to the characteristic of strcmp(s1,s2) where compare two string. If equal returns 0, if s1 is alphabetically lower than s2 then returns<0 and otherwise returns>0   **Input1:  String1:** AIUB  **String2:** AIUB  **Output1:** 0   * **Input2:   String1:** AIUB  **String2:** CSE  **Output1:** -1 |