CP Club 365Days Challenge

Date – 01/11/2022
Programming language – only C language

Problem Statement

Write the code not just for one input but for many more.(Dynamic code)

Code must be in C language only

You have given a string. You need to remove all the duplicates from the string.

The final output string should contain each character only once. The respective order of the characters inside the string should remain the same.

You can only traverse the string at once.

Example:

Input string: ababacd
Output string: abcd

Your Code:
#include <stdio.h>
#include <string.h>

int main()

```c
{
    char s[100];

    int i,j,k;
    printf("Enter String: ");
    gets(s);

    for(i = 0; i < strlen(s); i++)
    {
        for(j = i + 1; s[j] != '\0'; j++)
        {
            if(s[j] == s[i])
            {
                for(k = j; s[k] != '\0'; k++)
                {
                    s[k] = s[k + 1];
                }
            }
        }
    }

    printf( s);

    return 0;
}
```

Output (Screen Shot):

```
D:\cp club\day_15.exe
Enter String: ababacd
abcd
--------------------------------
Process exited after 3.913 seconds with return value 0
Press any key to continue . . .
```

Understanding about problem:

From this program I have learnt how to remove the duplicates and do traversing and also traversing should be done in such a way that the output of the string should contain each character only once.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST
Team CP Club