



আন্তর্জাতিক ইসলামী বিশ্ববিদ্যালয় চট্টগ্রাম
الجامعة الإسلامية العالمية شيتاغونغ
International Islamic University Chittagong

Assignment

Course Title-Computer Programming 1 lab

Course Code: CSE- 1121

Assignment No. – 04

(Official & for FINAL TERM)

Submission date- 03.10.2020

Submitted to-

Mr. Jamil As-ad

Assistant Lecturer, IIUC

Cell: 01626890190

jamilasad1@gmail.com

Submitted by-

MD. SOROWAR MAHABUB RABBY

Matric ID: C201032, Section: A

Department of CSE (Computer Science and Engineering)

By sorowarmahabub1709vip, contest: Sheet #4 (Strings), problem: (A) Create A New String, **Accepted**,

```
#include<stdio.h>
int main()
{
    char s[1000],t[1000];
    scanf("%s", &s);
    scanf("%s", &t);
    int l1,l2;
    l1=strlen(s);
    printf("%d ", l1);
    l2=strlen(t);
    printf("%d\n", l2);
    printf("%s ", s);
    printf("%s", t);
    return 0;
}
```

By sorowarmahabub1709vip, contest: Sheet #4 (Strings), problem: (B) Let's use Getline, **Accepted**,

```
#include<stdio.h>
int main()
{
    char s[1000001];
    gets(s);
    // scanf("%s", s);
    int i= 0;
    while(s[i] != '\\') {
        printf("%c", s[i]);
        i++;
    }
}

// Sorowar Mahabub, Studies B.Sc in CSE, IIUC
```

Submitted by-

MD. SOROWAR MAHABUB RABBY

Matric ID: C201032, Section: A

Department of CSE (Computer Science and Engineering)

#	Author	Problem	Lang	Verdict
90506979	Practice: sorowarmahabub1709vip	219856C - 19	GNU C11	Accepted

→ [Source](#)

```
#include<stdio.h>

int main()
{
    char lineOne[21], lineTwo[21];

    int i, j, save;
    gets(lineOne);
    gets(lineTwo);

    for(i = 0; (lineOne[i] != '\0' || lineTwo[i] != '\0'); i++)
    {
        j = i;
        if(lineOne[i] == lineTwo[i])
        {
            while(lineOne[i] == lineTwo[j])
            {
                if(lineOne[i] > lineTwo[j])
                {
                    save = 1;
                    break;
                }
                else if(lineOne[i] == lineTwo[j])
                    j++;
                else
                {
                    save = 2;
                    break;
                }
            }
        }
        else if(lineOne[i] > lineTwo[i])
        {
            save = 1;
            break;
        }
        else if(lineOne[i] < lineTwo[i])
        {
            save = 2;
            break;
        }
    }
    if(save == 1)
        puts(lineTwo);
    else if(save == 2)
        puts(lineOne);

    return 0;
}
```

Submitted by-- **MD. SOROWAR MAHABUB RABBY**

Matric ID: C201032, Section: A

Department of CSE (Computer Science and Engineering)

By sorowarmahabub1709vip, contest: Sheet #4 (Strings), problem: (D) Strings, **Accepted**,

```
#include<stdio.h>
#include<string.h>

int main()
{
    char s[101], s1[101], s2[101];
    gets(s1);
    gets(s2);
    int l1, l2;
    l1= strlen(s1);
    l2= strlen(s2);
    printf("%d %d\n", l1, l2);
    printf("%s%s\n", s1, s2);
    s[0]= s1[0];
    s1[0]= s2[0];
    s2[0]= s[0];
    printf("%s %s\n", s1, s2);

    return 0;
}
```

By sorowarmahabub1709vip, contest: Sheet #4 (Strings), problem: (E) Count, **Accepted**,

```
#include<stdio.h>
int main()
{
    char s[1000001];
    scanf("%s", &s);
    int sum= 0;
    for(int i= 0; s[i] != '\0'; i++) {
        sum += (s[i] - 48);
    }
    printf("%d\n", sum);

    return 0;
}
```

Submitted by-

MD. SOROWAR MAHABUB RABBY

Matric ID: C201032, Section: A

Department of CSE (Computer Science and Engineering)

By sorowarmahabub1709vip, contest: Sheet #4 (Strings), problem: (F) Way Too Long Words, **Accepted**,

```
#include<stdio.h>
int main()
{
    int t, p, count, pp;
    char s[1000];
    scanf("%d", &t);
    for(p=0; p<t; p++)
    {
        scanf("%s", &s);
count= 0;
        for(pp=0; s[pp]!='\0'; pp++)
            count++;

        if(count<=10)
            printf("%s\n", s);
        else
            printf("%c%d%c\n", s[0], count-2, s[count-1]);

    }
    return 0;
}
```

// Author : Sorowar Mahabub, studies B.Sc in CSE, IIUC

Submitted by-

MD. SOROWAR MAHABUB RABBY

Matric ID: C201032, Section: A

Department of CSE (Computer Science and Engineering)

By sorowarmahabub1709vip, contest: Sheet #4 (Strings), problem: (G) Conversion, **Accepted**,

```
#include<stdio.h>
int main()
{
    char s[1000001];
    scanf("%s", &s);
    for(int p=0; s[p]!='\0'; p++)
    {
        if(s[p]==',')
            printf(" ");
        if(s[p]>='a' && s[p]<='z')
            printf("%c", s[p]-32);
        else if(s[p]>='A' && s[p]<='Z')
            printf("%c", s[p]+32);
    }
    return 0;
}

// Author: Sorowar Mahabub,
// studies B.Sc in CSE, IIUC
```

Submitted by-

MD. SOROWAR MAHABUB RABBY

Matric ID: **C201032**, Section: **A**

Department of CSE (Computer Science and Engineering)