

# Institute of Technology of Cambodia



## Department of Information and Communication Engineering (GIC)

### Assignment3 Lab2-Work with string function

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Subject : Algorithms and Programming (TP)

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2020~2021

```
Start here X 9. C programming.c X *10. C programming.c X 11. C programming.c X 12. C programming.c X 13. C programimng.c X
```

```
1 #include<stdio.h>
2 #include<string.h>
3 main() {
4
5     char first[20], last[20];
6     printf("Input your first name : ");
7     scanf("%s",&first);
8     printf("Input your last name : ");
9     scanf("%s",&last);
10    strcat(first," ");
11    strcat(first,last);
12    printf("Username of the user is: %s",first);
13
14
15 }
16
```

"D:\school\Year3\2. Algorithm & Programming S1\TP\9. C programming.exe"

Input your first name : Jack  
Input your last name : Rose  
Username of the user is: Jack\_Rose  
Process returned 0 (0x0) execution time : 15.505 s  
Press any key to continue.

Logs & others

Code::Blocks X

```
Start here X 9. C programming.c X 10. C programming.c X 11. C programming.c X 12. C programming.c X 13. C programimng.c X
```

```
1 #include<stdio.h>
2 #include<string.h>
3 main() {
4
5     char text[50];
6     int a;
7     printf("Input the text : ");
8     gets(text);
9     a=strlen(text);
10    printf("The text \"%s\" has %d characters",text,a);
11
12 }
13
```

"D:\school\Year3\2. Algorithm & Programming S1\TP\10. C programming.exe"

Input the text : Everyone  
The text "Everyone" has 8 characters  
Process returned 0 (0x0) execution time : 12.083 s  
Press any key to continue.

```
Start here X 9. C programming.c X 10. C programming.c X 11. C programming.c X 12. C programming.c X 13. C programimng.c X
```

```
1 #include<stdio.h>
2 #include<string.h>
3 main() {
4
5     char first[20];
6     int a;
7     printf("Input your first name : ");
8     gets(first);
9     a=strlen(first);
10    printf("Your name is %s\n",first);
11    printf("The first letter of your name is %c and the last letter of your name is %c.",first[0],first[a-1]);
12
13
14 }
15
```

"D:\school\Year3\2. Algorithm & Programming S1\TP\11. C programming.exe"

Input your first name : Stark  
Your name is Stark  
The first letter of your name is S and the last letter of your name is k.  
Process returned 0 (0x0) execution time : 23.983 s  
Press any key to continue.

Logs & others

Start here X 9. C programming.c X 10. C programming.c X 11. C programming.c X 12. C programming.c X 13. C programimng.c X

```
1 #include<stdio.h>
2 #include<string.h>
3 main() {
4
5     char text[100];
6     printf("Input a piece of text : ");
7     gets(text);
8    strupr(text);
9     printf("Uppercase: %s",text);
10
11 }
12
```

"D:\school\Year3\2. Algorithm & Programming S1\TP\12. C programming.exe"

Input a piece of text : Hello Everyone! How are you today?  
Uppercase: HELLO EVERYONE! HOW ARE YOU TODAY?  
Process returned 0 (0x0) execution time : 41.679 s  
Press any key to continue.

Start here X 9. C programming.c X 10. C programming.c X 11. C programming.c X 12. C programming.c X 13. C programimng.c X

```
1 #include<stdio.h>
2 #include<string.h>
3 main() {
4
5     char sting[100];
6     printf("Input a string : ");
7     gets(sting);
8     strlwr(sting);
9     strrev(sting);
10    printf("Output: %s",sting);
11 }
12
13
```

"D:\school\Year3\2. Algorithm & Programming S1\TP\13. C programimng.exe"

Input a string : ChoColate  
Output: etalocohc  
Process returned 0 (0x0) execution time : 15.172 s  
Press any key to continue.