

# PROGRAMMING IN C ASSIGNMENT

## STRING FUNCTIONS

### 1. Strcat() funcion

It is used to concatenate two string


```
#include<stdio.h>
#include<string.h>
void main()
{
char str1[]="hello";
char str2[]="world";
printf("%s",strcat(str1,str2));
getch();
}
```



## 2. strlen() function

It is used to show the length of a string

```
#include<stdio.h>
#include<string.h>
void main()
{
    char str1[]="hello world";
    int len=strlen(str1);
    printf("length of string is %d",len);
    getch();
}
```



C:\TURBOC3\BIN>TC  
helloworld

### 3. Strcmp() function

Use to store reverse of a string

```
#include<stdio.h>
#include<string.h>
void main()
{
char str1[]="hello";
char str2[]="world";
int len=strcmp(str1,str2));
printf("%d",len);
getch();
}
```



#### 4. Strcpy() function

It is used to copies one string to another

```
#include<stdio.h>
#include<string.h>
void main()
{
char str1[100],str2[100];
strcpy(str1,"hello world");
strcpy(str2,str1);
printf("%s",str2);
getch();
}
```



## 5. strrev() function

It is used to compare two strings.

```
#include<stdio.h>
#include<string.h>
void main()
{
char str1[]="hello world";
printf("%s",strrev(str1));
getch();
}
```



## 6. strupr() function

It is used to convert the input into upper case .


```
#include<stdio.h>
#include<string.h>
void main()
{
char str1[]="hello world";
printf("%s",strupr(str1));
getch();
}
```



## 7. strlwr() function

It is used to convert the input into lower case letter.

```
#include<stdio.h>
#include<string.h>
void main()
{
char str1[]="hello world";
printf("%s",strlwr(str1));
getch();
}
```



C:\SUBBUCSD\B1\>TC  
hello world

## 8. strcmpti() function

It is same as Strcmp function. But this function negotiate case A and a are treated as same.

```
#include<stdio.h>
#include<string.h>
void main()
{
char str1[]="Good Morning";
char str2[]="Good Night";
int comp=strcmpti(str1,str2);
printf("after comparing the strings,differece is %d",comp);
getch();
}
```





## 9. strncat() function

It is used to concatenate n characters of second string to first string

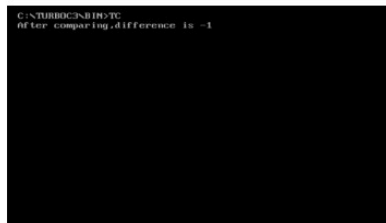
```
#include <stdio.h>
#include <string.h>
void main()
{
    char str1[] = "Welcome to ooty\t";
    char str2[] = "Nice to meet you all";
    strncat(str1, str2, 17);
    printf("After combining string; %s", str1);
    getch();
}
```



#### 10. strncmp() function

It is used to compare n characters of second string to first string.

```
#include <stdio.h>
#include <string.h>
void main()
{
    char str1[20] = "Good Morning";
    char str2[20] = "Good Night";
    int comp=strncmp(str1,str2, 7);
    printf("After comparing,difference is %d",comp);
    getch();
}
```



### 11. strncpy() function

It is used to copy given no:of characters of first string to second string.

```
#include <stdio.h>
#include<string.h>
void main()
{
char str1[]="Good Morning";
char str2[100];
strncpy(str2,str1, 6);
printf("after copying,string2 is: %s",str2);
getch();
}
```



C:\TURBOC3\BIN>TC  
after copying,string2 is: Good M

## 12. strstr() function

It returns pointer to first occurrence of string 2 in string

```
1. #include <stdio.h>
#include <string.h>
void main ()
{
const char str[20] = "Hello, how are you?";
const char searchString[10] = "you";
char *result;
result = strstr(str, searchString);
printf("The substring starting from the given string: %s",
result);
getch();
}
```



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