

# PROGRAMMING IN C ASSIGNMENT

## 1. Strcat() funcion

- It is used to concatenate two string

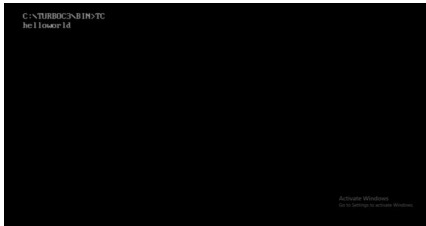
```
#include<stdio.h>
#include<string.h>
void main()
{
char str1[]="hello";
char str2[]="world";
printf("%s",strcat(str1,str2));
getch();
}
```



## 2. **strlen()** function

- It is used to show the length of a string

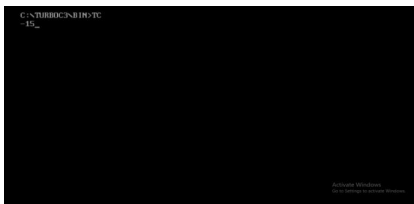
```
#include<stdio.h>
#include<string.h>
void main()
{
char str1[]="hello world";
int len=strlen(str1);
printf("length of string is %d"
,len);
getch();
}
```



### 3. Strcmp() function

- Use to store reverse of a string

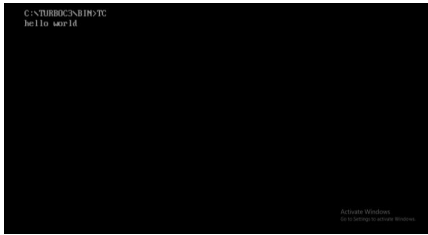
```
#include<stdio.h>
#include<string.h>
void main()
{
char str1[]="hello";
char str2[]="world";
int len=strcmp(str1,str2);
printf("%d",len);
getch();
}
```



#### 4. Strcpy() function

- It is used to copies one string to another

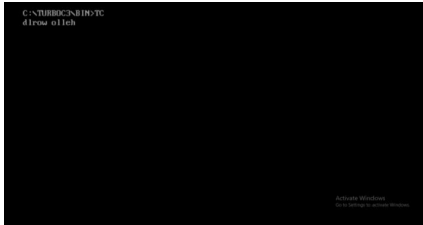
```
#include<stdio.h>
#include<string.h>
void main()
{
char str1[100],str2[100];
strcpy(str1,"hello world");
strcpy(str2,str1);
printf("%s",str2);
getch();
}
```



## 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 .

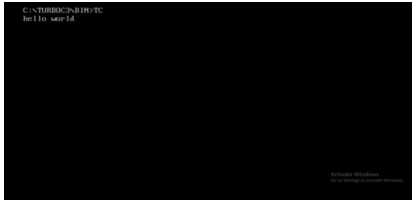
```
#include<stdio.h>
#include<string.h>
void main()
{
char str1[]="hello world";
printf("%s",strupr(str1));
getch();
}
```



## 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();
}
```



## 8. **strcmipi()** 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=strcmipi(str1,str2);
printf("after comparing the strings,differece is %d",comp);
getch();
}
```

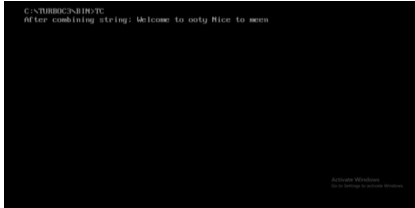




## 9. **strncat()** function

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

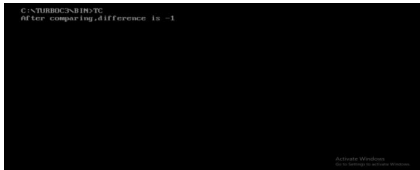
```
#include <stdio.h>
#include <string.h>
void main()
{
char str1[] = "Welcome to ooty\t";
char str2[] = "Nice to meet you all";
strncat(str1,str2, 17);
printf("After combining string; %s", str1);
getch();
}
```



## 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();
}
```



## 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();**

**}**

