

C supports a large number of string handling functions. There are numerous functions defined in "string.h" header file. Few commonly used string handling functions are:

Function Name	Description
strlen()	Returns the length of a string.
strlwr()	Returns upper case letter to lower case.
strupr()	Returns lower case letter to upper case.
strcpy()	Copies a string from source to destination.
strcat()	Concatenates two string.
strcmp()	Compares two strings.
strrev()	Reverse a string.

strlen(): **The strlen() function returns the length of the given string. It doesn't count null character '\0'.**

```
#include<stdio.h>
#include<conio.h>
#include <string.h>
void main()
{
char x[20];
clrscr();
printf("\n enter any string");
gets(x);
printf("Length of string is: %d",strlen(x));
getch();
}
```

strlwr(): **The strlwr(string) function returns string characters in lowercase.**

```
#include<stdio.h>
#include<conio.h>
#include <string.h>
void main()
{
char x[20];
clrscr();
printf("Enter string: ");
gets(x);
printf("String is: %s",x);
printf("\nReverse String is: %s",strlwr(x));
getch();
}
```

strupr(): **The strupr(string) function returns string characters in uppercase.**

```
#include<stdio.h>
#include<conio.h>
#include <string.h>
void main()
{
char x[20];
```

```

clrscr();
printf("Enter string: ");
gets(x);
printf("String is: %s",x);
printf("\nReverse String is: %s",strupr(x));
getch();
}

```

strcpy(): **The strcpy(destination, source) function copies the source string in destination.**

```

#include<stdio.h>
#include<conio.h>
#include <string.h>
void main()
{
char x[20],y[20];
clrscr();
printf("\n enter any string");
gets(x);
strcpy(y,x);
puts(y);
getch();
}

```

strcat(): **The strcat (first_string, second_string) function concatenates two strings and result is returned to first_string.**

```

#include<stdio.h>
#include<conio.h>
#include <string.h>
void main()
{
char x[50],y[20];
clrscr();
printf("\n enter the first string");
gets(x);
printf("\n enter the second string");
gets(y);
strcat(x,y);
puts(y);
getch();
}

```

strcmp(): **The strcmp(first_string, second_string) function compares two string and returns 0 if both strings are equal.**

```

#include<stdio.h>
#include<conio.h>
#include <string.h>
void main()
{
char x[50],y[20];
clrscr();
printf("\n enter the first string");
gets(x);
printf("\n enter the second string");
gets(y);
if(strcmp(x,y)==0)
printf("Strings are equal");
}

```

```
else
printf("Strings are not equal");
getch();
}
```

strrev(): **The strrev(string) function returns reverse of the given string.**

```
#include<stdio.h>
#include<conio.h>
#include <string.h>
void main()
{
char str[20];
clrscr();
printf("Enter string: ");
gets(str);
printf("String is: %s",str);
printf("\nReverse String is: %s",strrev(str));
getch();
}
```