

String functions

The **string.h** header file contains the following functions that can be used to compare and manipulate text strings:

Function:	Description:
<code>char *strcpy(s1 , s2)</code>	copy <i>s2</i> to <i>s1</i> , then return <i>s1</i>
<code>char *strncpy(s1 , s2 , n)</code>	copy <i>n</i> characters of <i>s2</i> to <i>s1</i> , then return <i>s1</i>
<code>char *strcat(s1 , s2)</code>	concatenate <i>s2</i> to the end of <i>s1</i> , then return <i>s1</i>
<code>char *strncat(s1 , s2 , n)</code>	concatenate <i>n</i> characters of <i>s2</i> to the end of <i>s1</i> , then return <i>s1</i>
<code>int strcmp(s1 , s2)</code>	compare <i>s1</i> to <i>s2</i> , then return < 0 if $s1 < s2$, or 0 if $s1 == s2$, or > 0 if $s1 > s2$
<code>int strncmp(s1 , s2 , n)</code>	compare <i>n</i> characters of <i>s1</i> to <i>s2</i> , then return < 0 if $s1 < s2$, or 0 if $s1 == s2$, or > 0 if $s1 > s2$
<code>char *strchr(s , c)</code>	return a pointer to the first occurrence of <i>c</i> in <i>s</i> , or NULL if not present
<code>char *strrchr(s , c)</code>	return a pointer to the last occurrence of <i>c</i> in <i>s</i> , or NULL if not present
<code>size_t strspn(s1 , s2)</code>	return length of prefix of <i>s1</i> consisting of characters in <i>s2</i>
<code>size_t strcspn(s1 , s2)</code>	return length of prefix of <i>s1</i> consisting of characters not in <i>s2</i>