

# 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 <i>s1</i> < <i>s2</i> , or 0 if <i>s1</i> == <i>s2</i> , or > 0 if <i>s1</i> > <i>s2</i>
<code>int strncmp( s1 , s2 , n )</code>	compare <i>n</i> characters of <i>s1</i> to <i>s2</i> , then return < 0 if <i>s1</i> < <i>s2</i> , or 0 if <i>s1</i> == <i>s2</i> , or > 0 if <i>s1</i> > <i>s2</i>
<code>char *strchr( s , c )</code>	return a pointer to the first occurrence of <i>c</i> in <i>s</i> , or <b>NULL</b> 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 <b>NULL</b> 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>