

**NAME**

**strspn**, **strcspn** - span a string

**LIBRARY**

Standard C Library (libc, -lc)

**SYNOPSIS**

```
#include <string.h>
```

*size\_t*

```
strspn(const char *s, const char *charset);
```

*size\_t*

```
strcspn(const char *s, const char *charset);
```

**DESCRIPTION**

The **strspn**() function spans the initial part of the null-terminated string *s* as long as the characters from *s* occur in the null-terminated string *charset*. In other words, it computes the string array index of the first character of *s* which is not in *charset*, else the index of the first null character.

The **strcspn**() function spans the initial part of the null-terminated string *s* as long as the characters from *s* **do not** occur in the null-terminated string *charset* (it spans the **complement** of *charset*). In other words, it computes the string array index of the first character of *s* which is also in *charset*, else the index of the first null character.

**RETURN VALUES**

The **strspn**() and **strcspn**() functions return the number of characters spanned.

**SEE ALSO**

memchr(3), strchr(3), strpbrk(3), strrchr(3), strsep(3), strstr(3), strtok(3), wcsspn(3)

**STANDARDS**

The **strspn**() and **strcspn**() functions conform to ISO/IEC 9899:1990 ("ISO C90").