C LIBRARY FUNCTION - STRSPN

Description

The C library function **size_t strspn** $const char * str1, const char * str2$ calculates the length of the initial segment of **str1** which consists entirely of characters in **str2**.

Declaration

Following is the declaration for strspn function.

```
size_t strspn(const char *str1, const char *str2)
```

Parameters

- **str1** -- This is the main C string to be scanned.

- **str2** -- This is the string containing the list of characters to match in str1.

Return Value

This function returns the number of characters in the initial segment of str1 which consist only of characters from str2.

Example

The following example shows the usage of strspn function.

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

int main ()
{
   int len;
   const char str1[] = "ABCDEFG019874";
   const char str2[] = "ABCD";

   len = strspn(str1, str2);

   printf("Length of initial segment matching %d\n", len );

   return(0);
}
```

Let us compile and run the above program that will produce the following result:

```
Length of initial segment matching 4
```

Loading [MathJax]/jax/output/HTML-CSS/jax.js