C LIBRARY FUNCTION - STRCSPN

Description

The C library function **size_t strcspn** $const char * str1, const char * str2$ calculates the length of the initial segment of **str1**, which consists entirely of characters not in **str2**.

Declaration

Following is the declaration for strcspn function.

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

Parameters

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

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

Return Value

This function returns the number of characters in the initial segment of string str1 which are not in the string str2.

Example

The following example shows the usage of strcspn function.

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

int main ()
{
   int len;
   const char str1[] = "ABCDEF4960910";
   const char str2[] = "013";

   len = strcspn(str1, str2);

   printf("First matched character is at %d\n", len + 1);

   return(0);
}
```

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

First matched character is at 10

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