

## Strcspn function

The function strcspn function returns a number of character in an initial string which is not found in another string.

**strcspn(const char \*str1, const char \*str2);**

Here, **str1** = the targeted string where the match is to be found.

**Str2** = Argument string containing characters to match in target string.

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

int main(){
    char str1[100] = "abdcasf01521786";
    char str2[100] = "0123456789";

    int x = strcspn(str1,str2);

    printf("the first mismatch index is: %d", x);
}
```

**Output:** the first mismatch index is: 7

Here the str1 consists a number of characters which includes some alphabets and number. And str2 also consists of a number of characters which includes some number. Now str1 is the first argument where the search is to be made. And str2 is the set of characters which is used to found the match in str1.

Now, we can also print the rest of the characters from the match character to the rest of the character in the following way

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

int main(){
    char str1[100] = "abdcasf01521786";
    char str2[100] = "0123456789";

    int x = strcspn(str1,str2);

    printf("the first match index is: %d", x);

    char *rest = str1 + x;

    printf("\nThe string or number of characters after the match is found is %s ", rest);

    return 0;
}
```

### Output:

```
the first match index is: 7
The string or number of characters after the match is found is 01521786
```

Here, the rest variable stored the value of str1 from the matched character by the str2 to the rest of characters of str1.

For some practical example or relevant applications check [here!!](#)