

C LIBRARY FUNCTION - STRTOK

http://www.tutorialspoint.com/c_standard_library/c_function_strtok.htm

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Description

The C library function **char *strtok***char * str, const char * delim* breaks string **str** into a series of tokens using the delimiter **delim**.

Declaration

Following is the declaration for strtok function.

```
char *strtok(char *str, const char *delim)
```

Parameters

- **str** -- The contents of this string are modified and broken into smaller strings *tokens*.
- **delim** -- This is the C string containing the delimiters. These may vary from one call to another.

Return Value

This function returns a pointer to the last token found in the string. A null pointer is returned if there are no tokens left to retrieve.

Example

The following example shows the usage of strtok function.

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

int main()
{
    char str[80] = "This is - www.tutorialspoint.com - website";
    const char s[2] = "-";
    char *token;

    /* get the first token */
    token = strtok(str, s);

    /* walk through other tokens */
    while( token != NULL )
    {
        printf( " %s\n", token );

        token = strtok(NULL, s);
    }

    return(0);
}
```

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

```
This is
www.tutorialspoint.com
website
```

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