C library function - strtok()

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 first 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.

Live Demo

```
#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
```