

C LIBRARY FUNCTION - MEMSET

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

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Description

The C library function **void *memset(void *str, int c, size_t n)** copies the character **c** an *unsigned char* to the first **n** characters of the string pointed to, by the argument **str**.

Declaration

Following is the declaration for memset function.

```
void *memset(void *str, int c, size_t n)
```

Parameters

- **str** -- This is a pointer to the block of memory to fill.
- **c** -- This is the value to be set. The value is passed as an int, but the function fills the block of memory using the unsigned char conversion of this value.
- **n** -- This is the number of bytes to be set to the value.

Return Value

This function returns a pointer to the memory area str.

Example

The following example shows the usage of memset function.

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

int main ()
{
    char str[50];

    strcpy(str, "This is string.h library function");
    puts(str);

    memset(str, '$', 7);
    puts(str);

    return(0);
}
```

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

```
This is string.h library function
$$$$$$$ string.h library function
Loading [MathJax]/jax/output/HTML-CSS/jax.js
```