C library function - strncat()

Description

The C library function **char *strncat(char *dest, const char *src, size_t n)** appends the string pointed to by **src** to the end of the string pointed to by **dest** up to **n** characters long.

Declaration

Following is the declaration for strncat() function.

```
char *strncat(char *dest, const char *src, size_t n)
```

Parameters

- **dest** − This is pointer to the destination array, which should contain a C string, and should be large enough to contain the concatenated resulting string which includes the additional null-character.

- **src** − This is the string to be appended.

- **n** − This is the maximum number of characters to be appended.

Return Value

This function returns a pointer to the resulting string dest.

Example

The following example shows the usage of strncat() function.

Live Demo

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

int main () {
   char src[50], dest[50];

   strcpy(src,  "This is source");
   strcpy(dest, "This is destination");

   strncat(dest, src, 15);

   printf("Final destination string : |%s|", dest);
```

```
    return(0);
}
```

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

```
Final destination string : |This is destinationThis is source|
```