

C library function - strcat()

Description

The C library function **char *strcat(char *dest, const char *src)** appends the string pointed to by **src** to the end of the string pointed to by **dest**.

Declaration

Following is the declaration for strcat() function.

```
char *strcat(char *dest, const char *src)
```

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.
- **src** – This is the string to be appended. This should not overlap the destination.

Return Value

This function returns a pointer to the resulting string dest.

Example

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

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

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

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

    strcat(dest, src);

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

    return(0);
}
```

[Live Demo](#)

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

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