



strcpy in C++

Difficulty Level : Easy • Last Updated : 20 Jan, 2023

[Read](#)[Discuss](#)[Courses](#)[Practice](#)[Video](#)

strcpy() is a standard library function in C++ and is used to copy one string to another. In C++ it is present in the <string.h> and <cstring> header files.

Syntax:

```
char* strcpy(char* dest, const char* src);
```

Parameters: This method accepts the following parameters:

- dest: Pointer to the destination array where the content is to be copied.
- src: string which will be copied.

Return Value: After copying the source string to the destination string, the strcpy() function returns a pointer to the destination string.

Example:

C++

```
// C++ program to illustrate
// strcpy() function in C/C++
#include <iostream>
#include <cstring>
using namespace std;

int main()
{
    // Strings Declared
    char str1[] = "Hello Geeks!";
    char str2[] = "GeeksforGeeks";

    char str3[40];
    char str4[40];

    char str5[] = "GfG";

    // String copy used
    strcpy(str2, str1);
    strcpy(str3, "Copy successful");
    strcpy(str4, str5);

    // Strings Printed
    cout << "str1: " << str1 << "\nstr2: " << str2
         << "\nstr3: " << str3 << "\nstr4: " << str4;

    return 0;
}
```

Output

```
str1: Hello Geeks!
str2: Hello Geeks!
str3: Copy successful
str4: GfG
```

Time Complexity: $O(n)$

Auxiliary Space: $O(1)$

Important Points: