**strcpy**() - This function is used to copy string by a source including the Null characters.

The syntax is strcpy(destination, source);

## **EXAMPLE**

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

int main() {

   char source[2000] = "Hello World!";
   char destination[2000];

   strcpy(destination, source);

   printf("Source is %s\nDestination is %s", source, destination);

   return 0;
}
```

The output of the give code will be

```
Source is Hello World!
Destination is Hello World!
```

We can also chain together a series of strcpy calls

## **EXAMPLE**

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

int main() {

    char str1[2000] = "Hello World!";
    char str2[2000];
    char str3[2000];

    strcpy(str3,strcpy(str2,str1));

    printf("Str1 is %s\nStr2 is %s\nStr3 is %s",str1,str2,str3);

    return 0;
}
```

The output will be

```
Str1 is Hello World!
Str2 is Hello World!
Str3 is Hello World!
```

**strncpy**() – When the size of the source is greater than the destination it will show undefined problems.

To avoid this error we use strncyp() function.

The syntax is (destination, source, n);

n refers upto which the characters will be copied.

The strncpy() function doesn't add the null character((0)) in the destination, if the size of source is greater than or equal to the size of destination. So we have to manually declare the null character.

## **EXAMPLE**

The output will be

Source is Hello World! Destination is Hello

In simple words it can be said that strncpy() function copies the character up to n from the source to destination. But strncpy doesn't add the null character. So we have to manually append it to the array of characters as seen in the example.