

# C++ String replace()

This function replaces the portion of string that begins at character position `pos` and spans `len` characters.

## Syntax

Consider two strings `str1` and `str2`. Syntax would be:

```
str1.replace(pos,len,str2);
```

## Parameters

- **str** : `str` is a string object, whose value to be copied in another string object.
- **pos** : `pos` defines the position, whose character to be replaced.
- **len** : Number of characters to be replaced by another string object.
- **subpos** : It defines the position of the first character of string object that is to be copied to another object as replacement.
- **sublen** : Number of characters of string object to be copied into another string object.
- **n** : Number of characters to be copied into an another string object.

## Return value

This function does not return any value.

## Example 1

First example shows how to replace given string by using position and length as parameters.

```
using namespace std;
int main()
{
    string str1 = "This is C language";
    string str2 = "C++";
    cout << "Before replacement, string is : "<<str1<<'\n';
    str1.replace(8,1,str2);
    cout << "After replacement, string is : "<<str1<<'\n';
    return 0;
}
```

**Output:**

```
Before replacement , string is This is C language
After replacement, string is This is C++ language
```

## Example 2

Second example shows how to replace given string using position and length of the string which is to be copied in another string object.

```
#include<iostream>
using namespace std;
int main()
{
    string str1 ="This is C language"
    string str3= "java language";
    cout <<"Before replacement, String is " <<str1<<'\n';
    str1.replace(8,1,str3,0,4);
    cout<<"After replacement,String is " <<str1<<'\n';
    return 0;
}
```

**Output:**

```
Before replacement, String is This is C language
After replacement, String is This is java language
```

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Third example shows how to replace the string by using string and number of characters to be copied as parameters.

```
#include<iostream>
using namespace std;
int main()
{
    string str1="This is C language";
    cout<<"Before replacement,string is"<<str1<<"\n";
    str1.replace(8,1,"C##",2);
    cout<<"After replacement,string is"<<str1;
    return 0;
}
```

### Output:

```
Before replacement,string is This is C language
After replacement,string is This is C# language
```

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