

C++ String append()

This function is used to extend the string by appending at the end of the current value.

Syntax

Consider string str1 and str2. Syntax would be :

```
Str1.append(str2);  
Str1.append(str2,pos,len);  
Str1.append(str2,n);
```

Parameters

str : String object which is to be appended in another string object.

pos : It determines the position of the first character that is to be appended to another object.



len : Number of characters to be copied in another string object as substring.

n : Number of characters to copy.

Return value

This function does not return any value.

Example 1

Let's see the example of appending the string in another string object.

```
#include <iostream>  
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```

```
int main()
{
    string str1="Welcome to C++ programming";
    string str2="language";
    cout<<"Before appending,string value is"<<str1<<"\n";
    str1.append(str2);
    cout<<"After appending, string value is"<<str1<<"\n";
    return 0;
}
```

Output:

```
Before appending,string value is Welcome to C++ programming
After appending,string value is Welcome to C++ programming language
```

Example 2

Let's see the example of appending the string by using position and length as parameters.

```
#include<iostream>
using namespace std;
int main()
{
    string str1 = "Mango is my favourite" ;
    string str2 = "fruit";
    cout<<"Before appending, string value is :." <<str1<<"\n";
    str1.append(str2,0,5);
    cout<<"After appending, string value is :." <<str1<<"\n";
    return 0;
}
```

Output:

```
Before appending, string value is Mango is my favourite
After appending, string value is Mango is my favourite fruit
```

Example 3

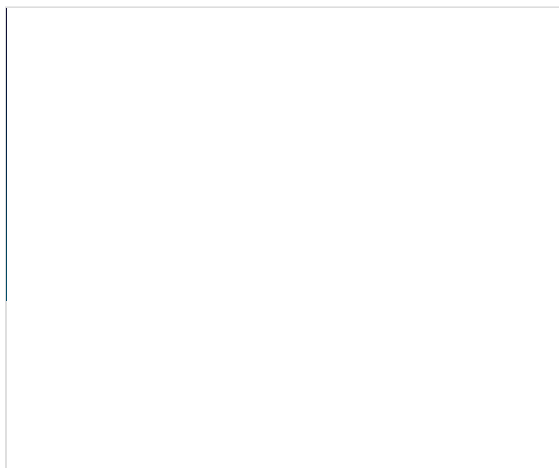
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ample.

```
#include<iostream>
using namespace std;
int main()
{
    string str1 = "Kashmir is nature";
    str1.append("of beauty",9);
    cout<<"String value is :"<<str1;
    return 0;
}
```

Output:

String value is Kashmir is nature of beauty

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