

C++ String Find()

This function is used for finding a specified substring.

Syntax

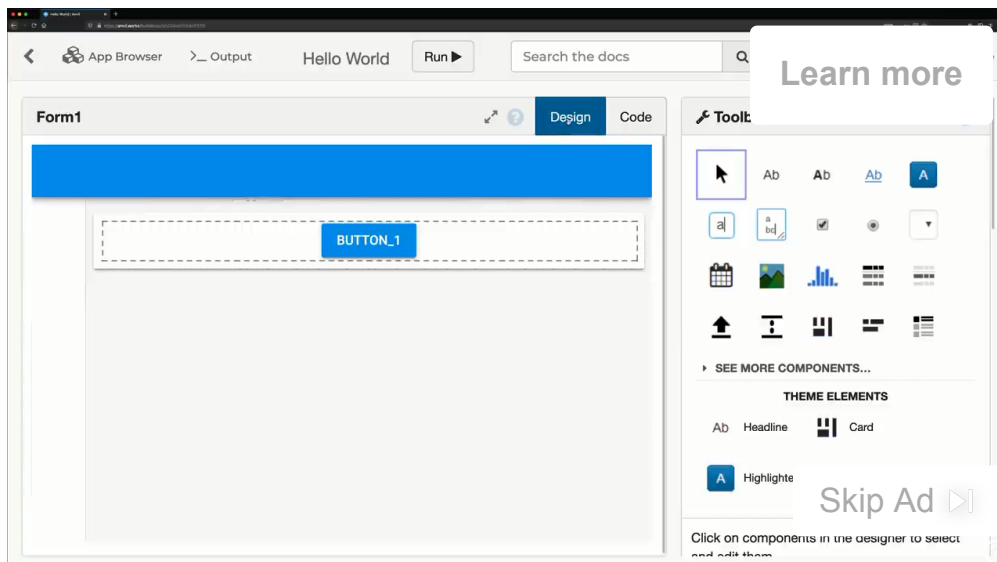
Consider two strings str1 and str2. Syntax would be :

```
str1.find(str2);
```

Parameters

str : String to be searched for.

pos : It defines the position of the character at which to start the search.



n : Number of characters in a string to be searched for.

ch : It defines the character to search for.

Return value

It returns the position of the first character of first match.

Example 1

Let's see the simple example.

```
#include<iostream>
using namespace std;
int main()
```

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```
string str= "java is the best programming language";  
cout << str<<'\n';  
cout << " Position of the programming word is :";  
cout<< str.find("programming");  
return 0;  
}
```

Output:

```
Java is the best programming language  
Position of the programming word is 17
```

Example 2

Let's see simple example by passing position of a character as a parameter.

```
#include<iostream>  
using namespace std;  
int main()  
{  
string str= "Mango is my favorite fruit";  
cout << str<<'\n';  
cout<< " position of fruit is :";  
cout<< str.find("fruit",12);  
return 0;  
}
```

Output:

```
Mango is my favorite fruit  
Position of fruit is 21
```

Example 3

Let's see simple example of finding a single character.

```
#include<iostream>
using namespace std;
int main()
{
    string str = "javatpoint";
    cout << "String contains :" << str;
    cout<< "position of p is :" << str.find('p');
    return 0;
}
```

Output:

```
String contains : javatpoint
           Position of p is 5
```

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