C / C++ Abstraction Libraries

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# C++ Libraries

## stringoperation

### Replace

#### Purpose

The replace function will search and replace all occurrences of the existing string with a new string.

#### Syntax

std::string variableName = Replace(std::string, const std::string, const std::string);

#### Parameters

std::string stringValue

* **The full string value which contains the specific or whole string to replace with.**

const std::string stringToReplace

* **The specific string / characters to replace within the provided “stringValue” parameter.**

const std::string newString

* **The new string / characters which will replace the existing string / characters found within the “stringToReplace” parameter.**

#### Code Sample:

std::string stringReplace = Replace(“Hello World, my name is Bob”, “Bob”, “Sarah”);

# C Libraries

# C++ Header Information

## stringoperation

### Include Directives

1. String <**string**>

### Function Prototypes

1. Replace (**std::string, const std::string, const std::string**)

## 

# C Header Information

# C++ Programming Examples

## stringoperation

### Replace (Function)

|  |
| --- |
| #include <iostream>  #include "stringoperation.hpp"  int main(int argc, const char \* argv[]) {    std::string stringValue = "Hello World, my name is Bob";  std::string stringToReplace = "Bob";  std::string newString = "Sarah";  std::string returnValue = Replace(stringValue, stringToReplace, newString);  std::cout << returnValue << std::endl;    return 0;  } |

# C Programming Examples

# References

Cplusplus.com. (2019). *cplusplus.com - The C++ Resources Network*. [online] Available at: http://www.cplusplus.com/ [Accessed 17 Aug. 2019].